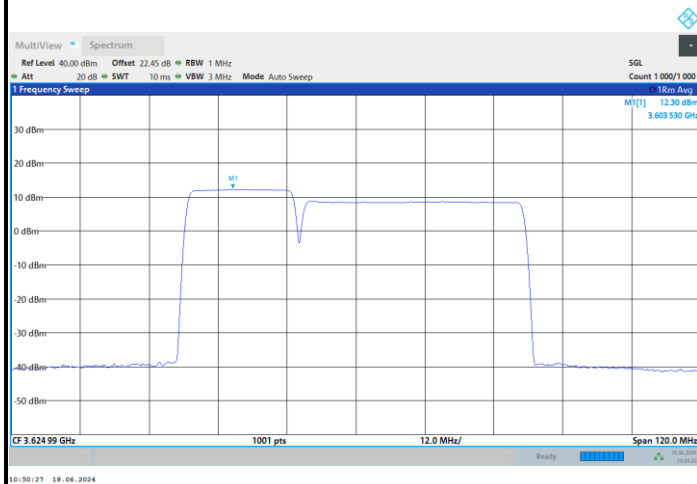


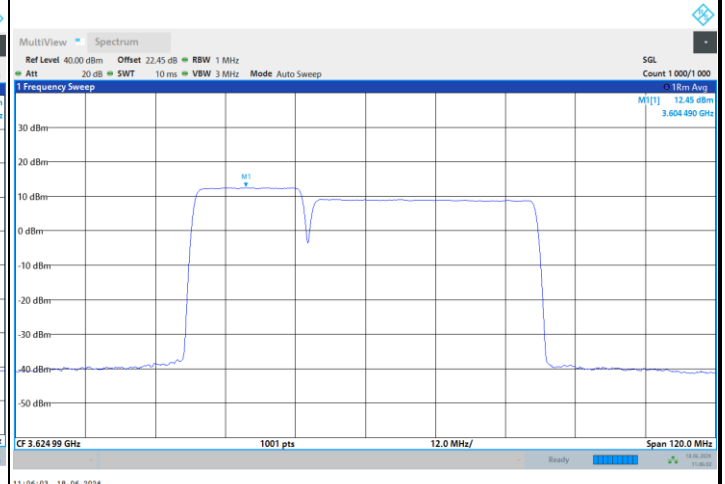


FR1 n48 / 20MHz+40MHz / Middle Channel / PSD

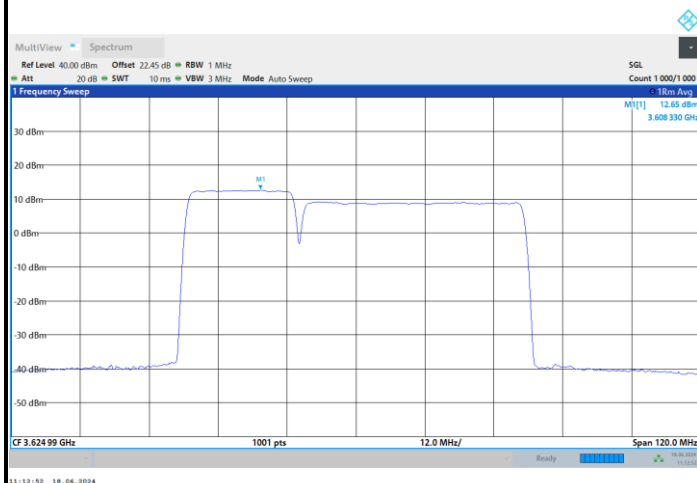
QPSK



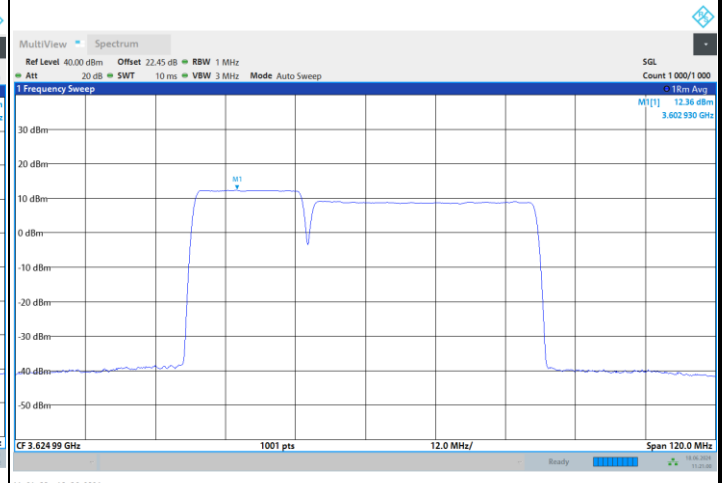
16QAM



64QAM

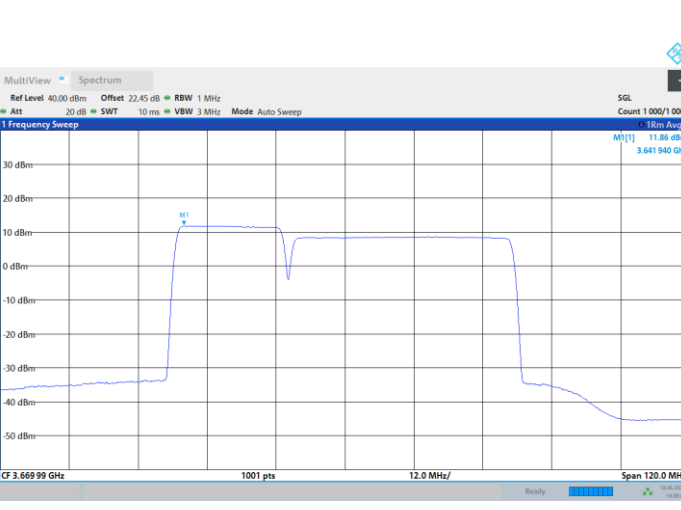
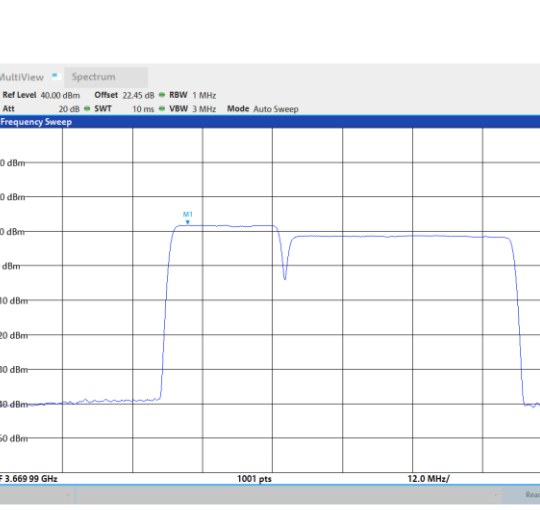
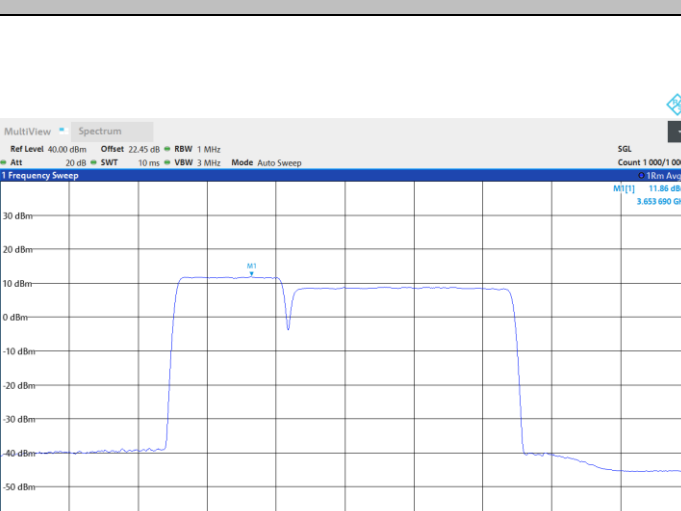
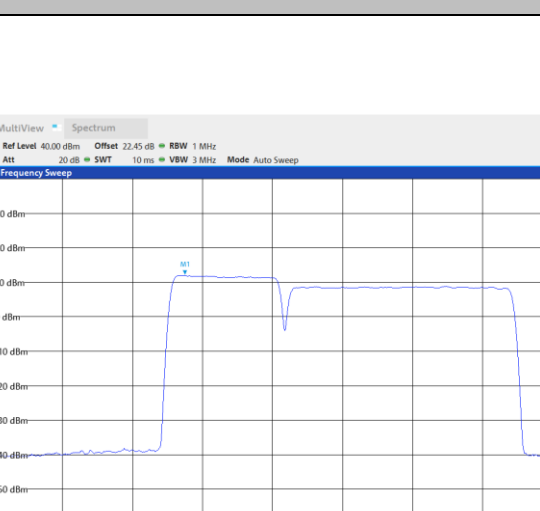


256QAM





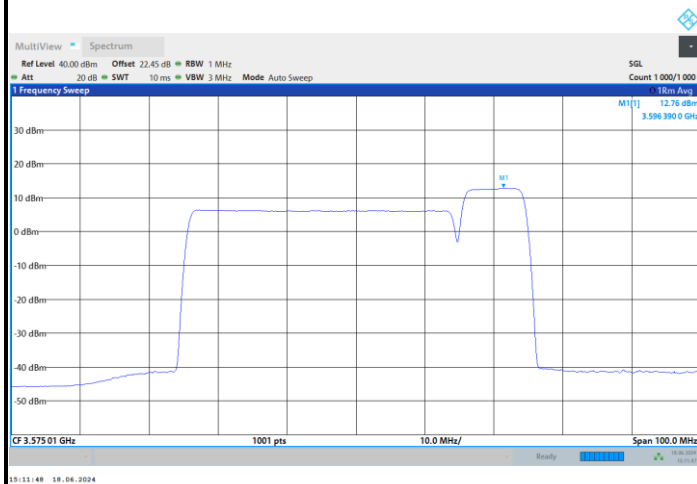
FR1 n48 / 20MHz+40MHz / Highest Channel / PSD

QPSK	16QAM	64QAM	256QAM
 MultiView Spectrum Ref Level 40.00 dBm Offset 22.45 dB RBW 1 MHz Att 20 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep SGL Count 1 000/1 000 1 Frequency Sweep M1 11.86 dBm 3.641 940 GHz 10m Avg CF 3.669 99 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Ready	 MultiView Spectrum Ref Level 40.00 dBm Offset 22.45 dB RBW 1 MHz Att 20 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep SGL Count 1 000/1 000 1 Frequency Sweep M1 11.79 dBm 3.643 500 GHz 10m Avg CF 3.669 99 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Ready	 MultiView Spectrum Ref Level 40.00 dBm Offset 22.45 dB RBW 1 MHz Att 20 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep SGL Count 1 000/1 000 1 Frequency Sweep M1 11.86 dBm 3.653 690 GHz 10m Avg CF 3.669 99 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Ready	 MultiView Spectrum Ref Level 40.00 dBm Offset 22.45 dB RBW 1 MHz Att 20 dB SWT 10 ms VBW 3 MHz Mode Auto Sweep SGL Count 1 000/1 000 1 Frequency Sweep M1 11.98 dBm 3.643 020 GHz 10m Avg CF 3.669 99 GHz 1001 pts 12.0 MHz/ Span 120.0 MHz Ready

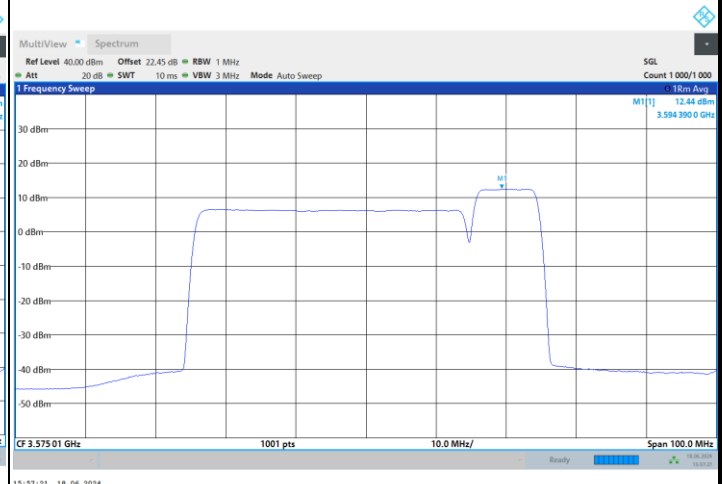


FR1 n48 / 40MHz+10MHz / Lowest Channel / PSD

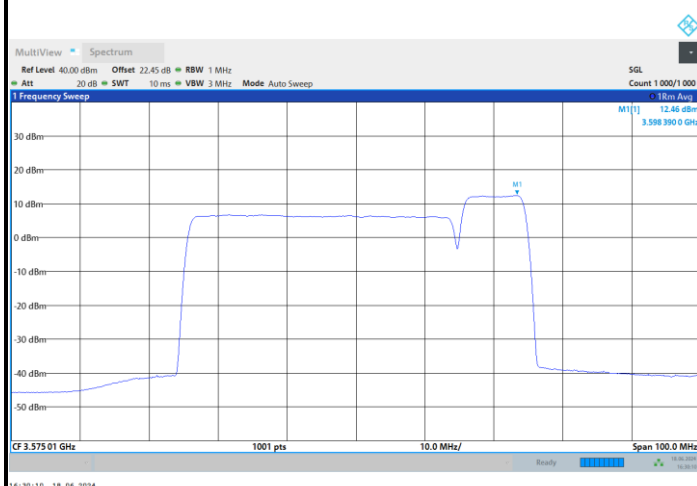
QPSK



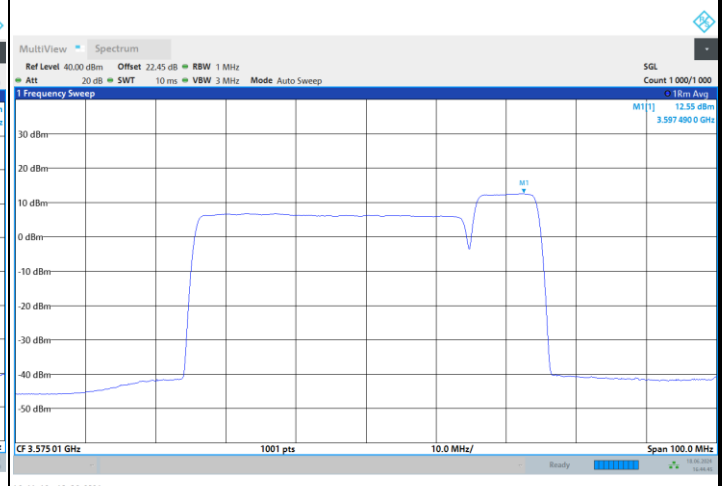
16QAM



64QAM



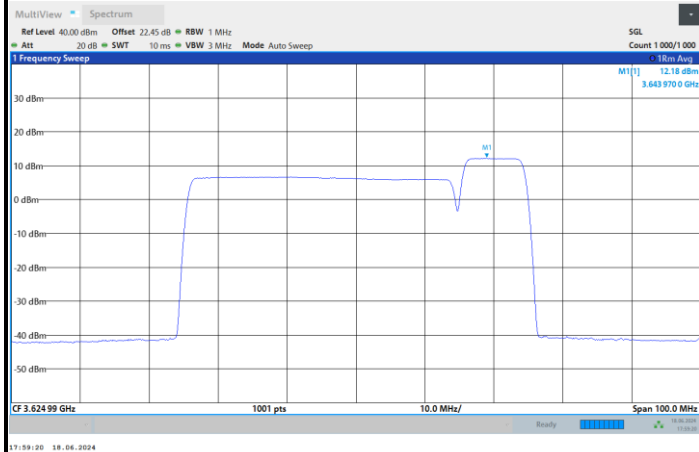
256QAM



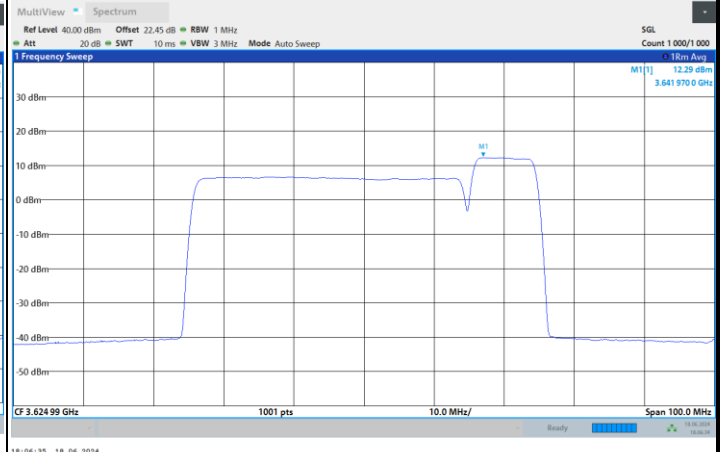


FR1 n48 / 40MHz+10MHz / Middle Channel / PSD

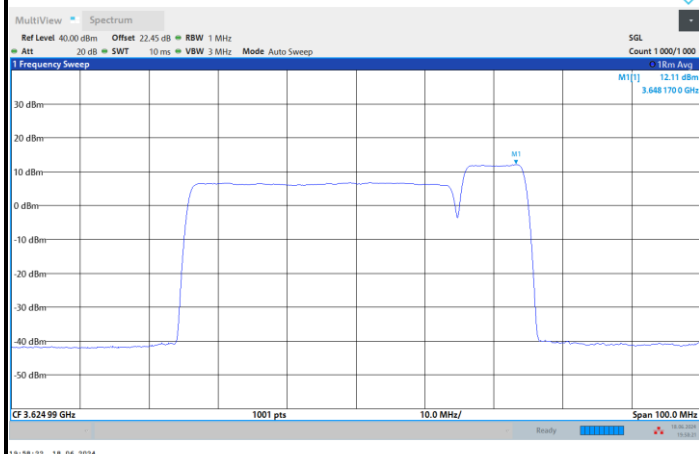
QPSK



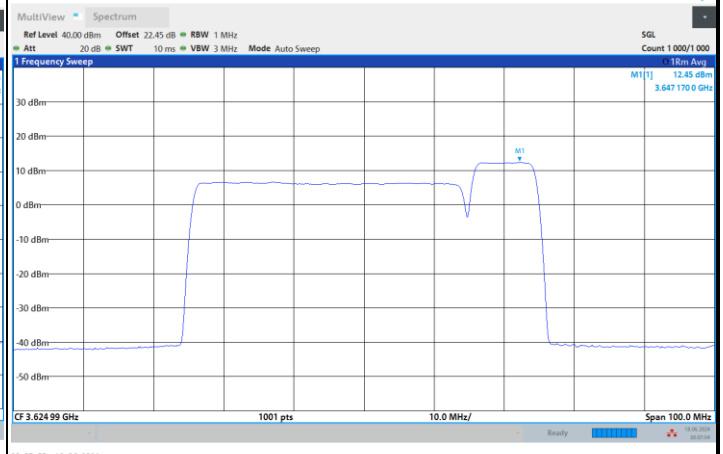
16QAM



64QAM



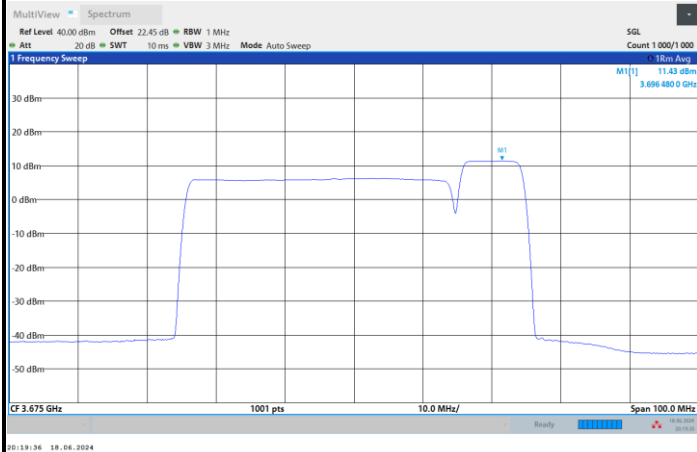
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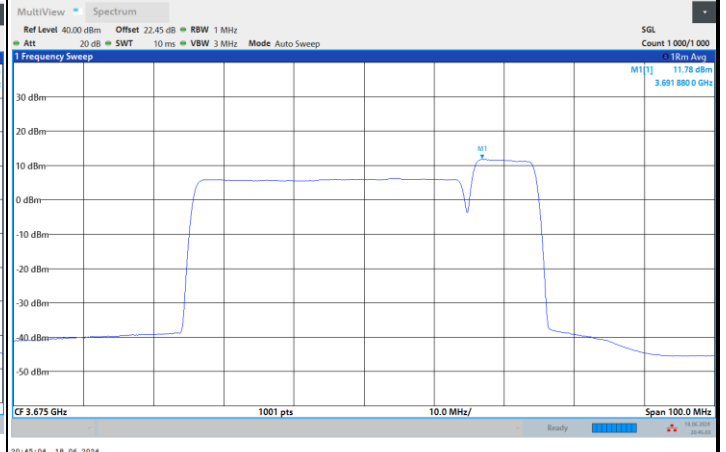


FR1 n48 / 40MHz+10MHz / Highest Channel / PSD

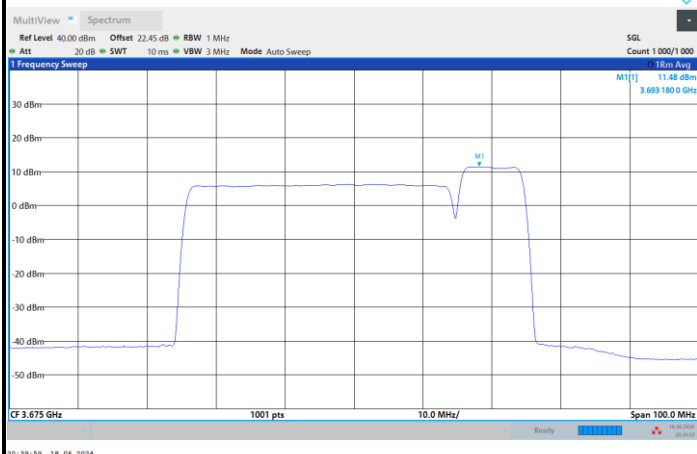
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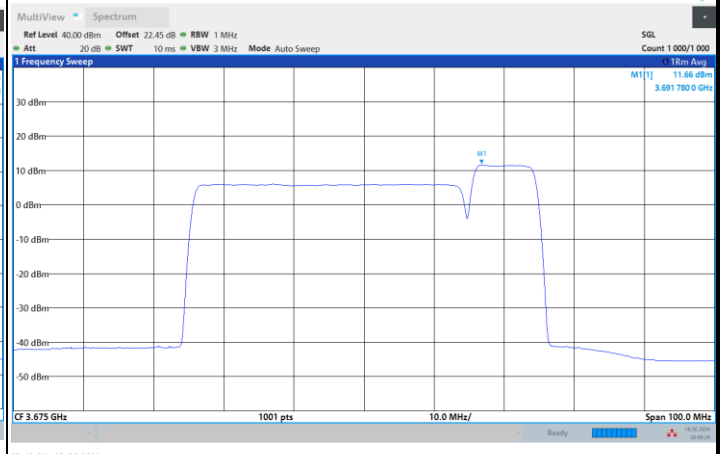
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64QAM



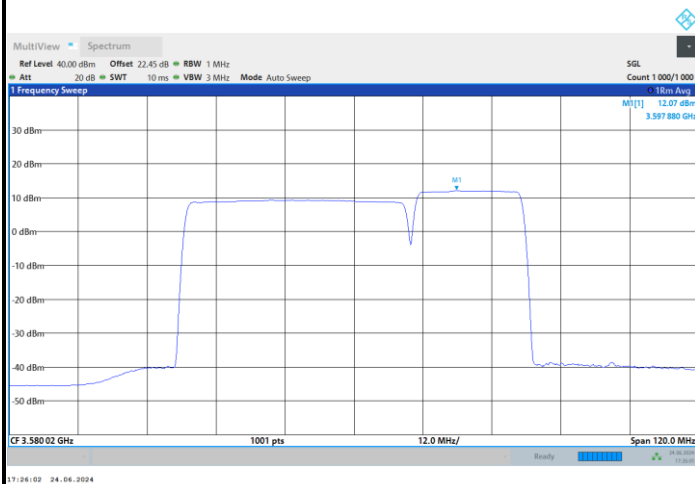
256QAM



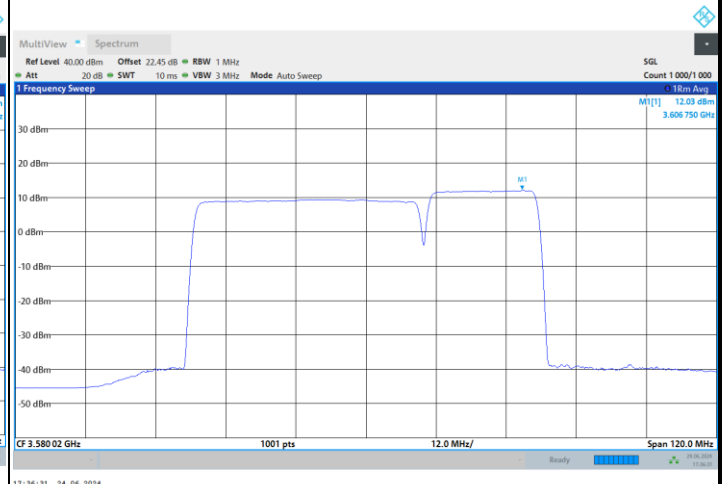


FR1 n48 / 40MHz+20MHz / Lowest Channel / PSD

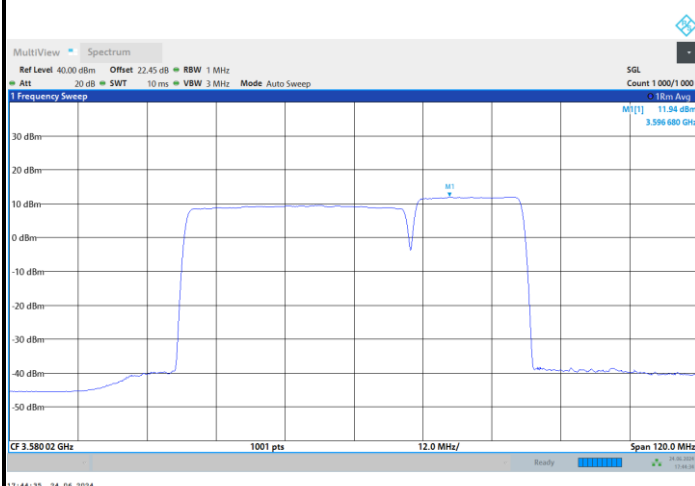
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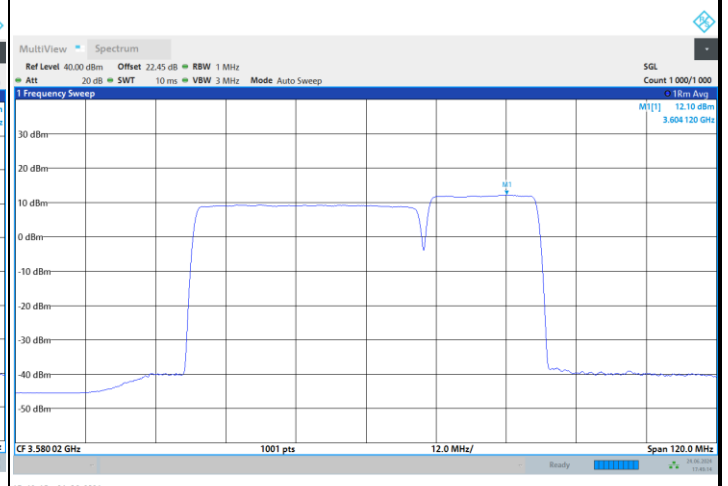
16QAM



64QAM



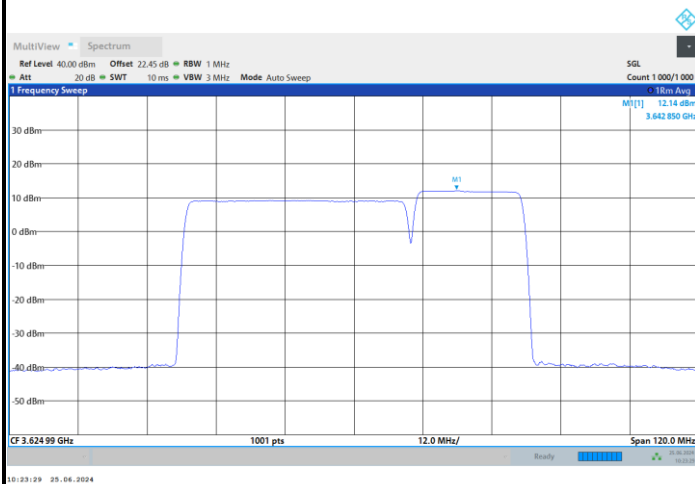
256QAM



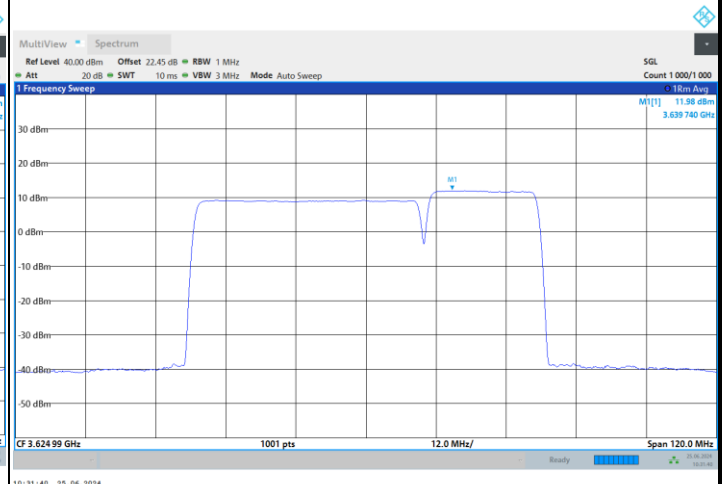


FR1 n48 / 40MHz+20MHz / Middle Channel / PSD

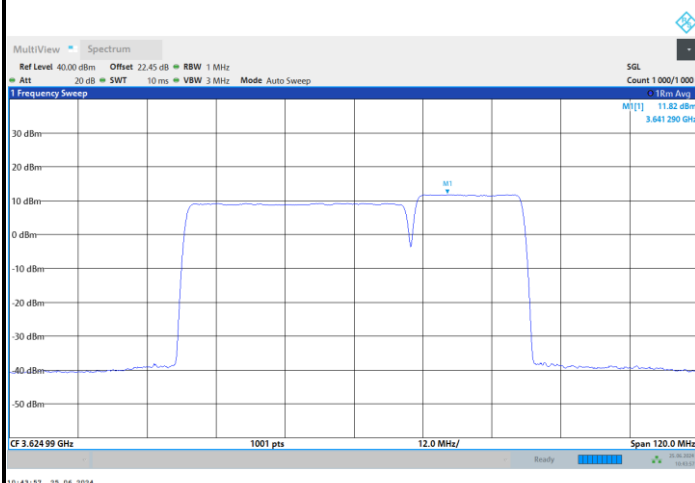
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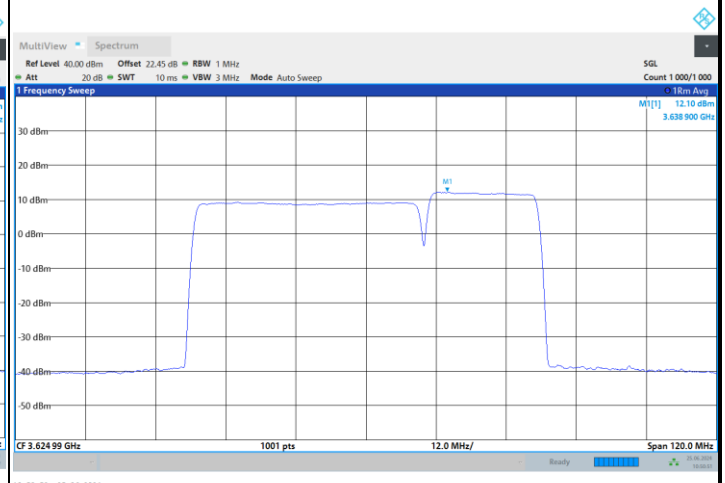
16QAM



64QAM



256QAM



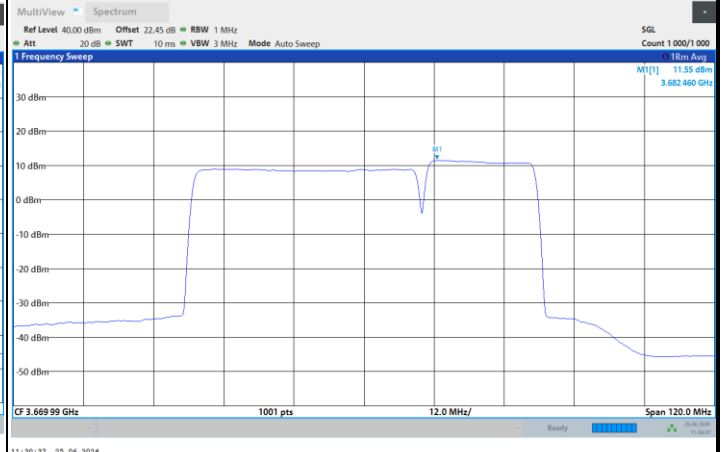


FR1 n48 / 40MHz+20MHz / Highest Channel / PSD

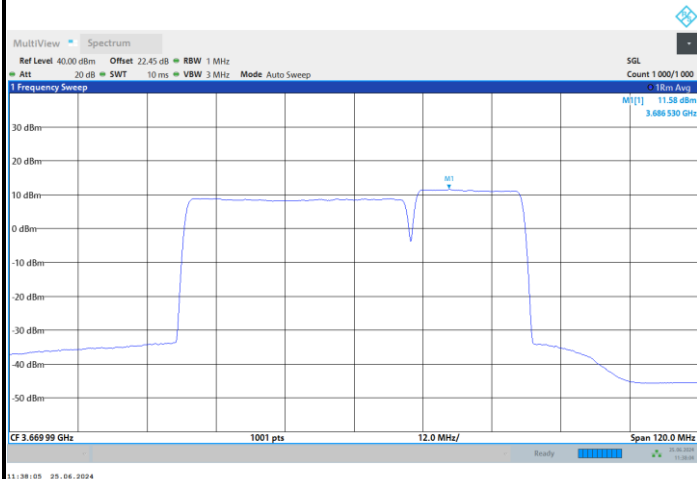
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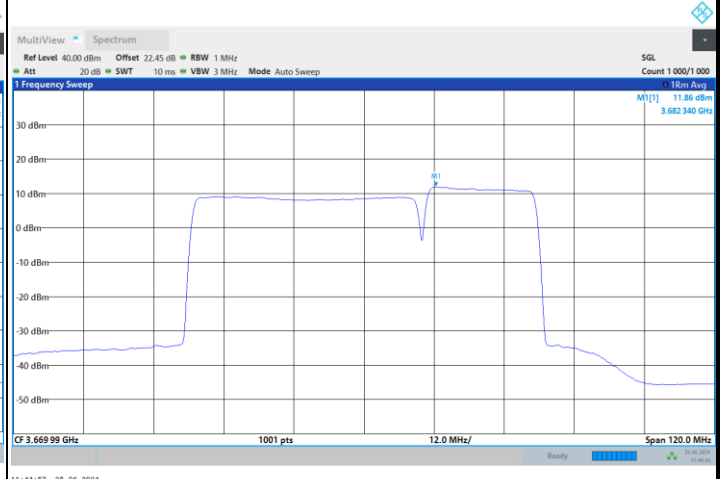
16QAM



64QAM



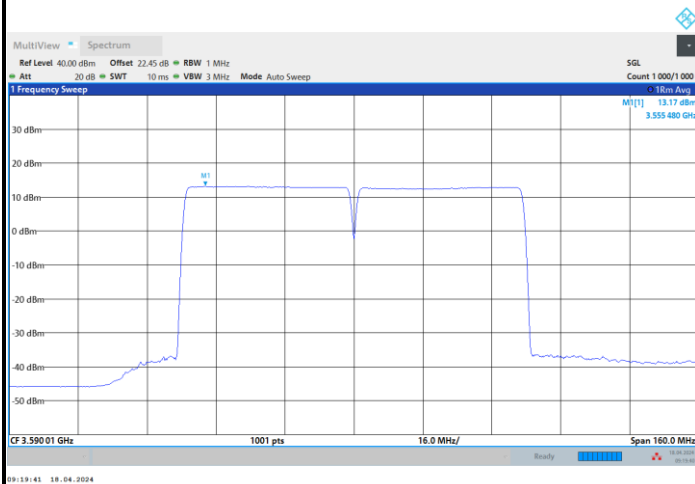
256QAM



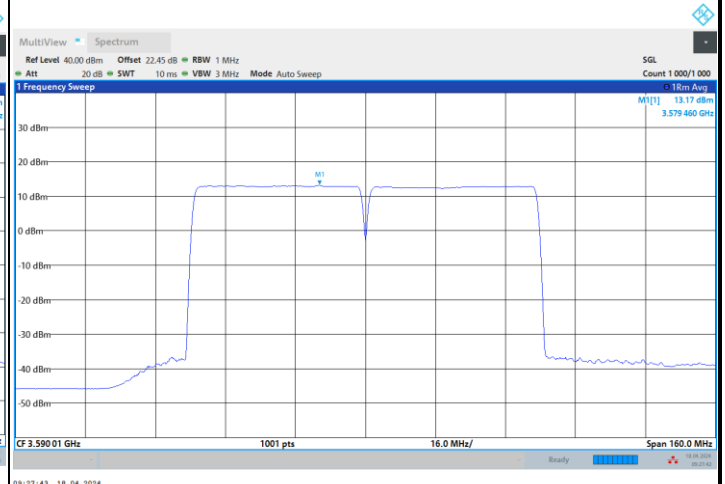


FR1 n48 / 40MHz+40MHz / Lowest Channel / PSD

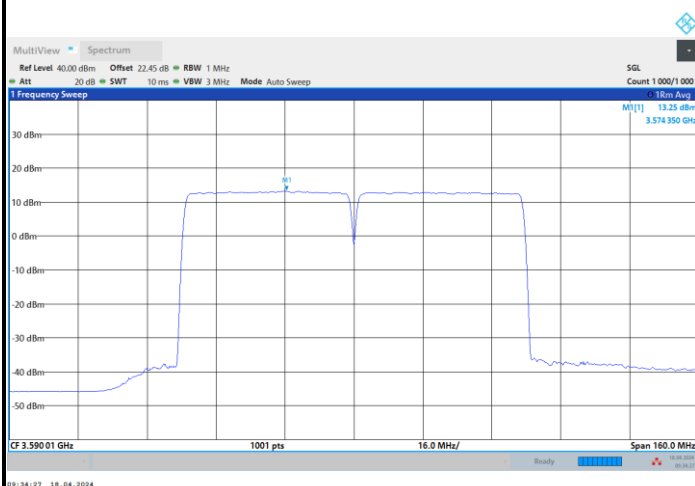
QPSK



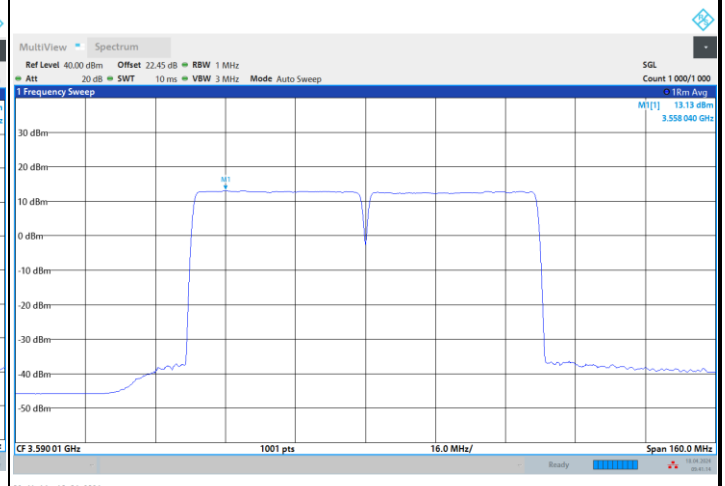
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64QAM



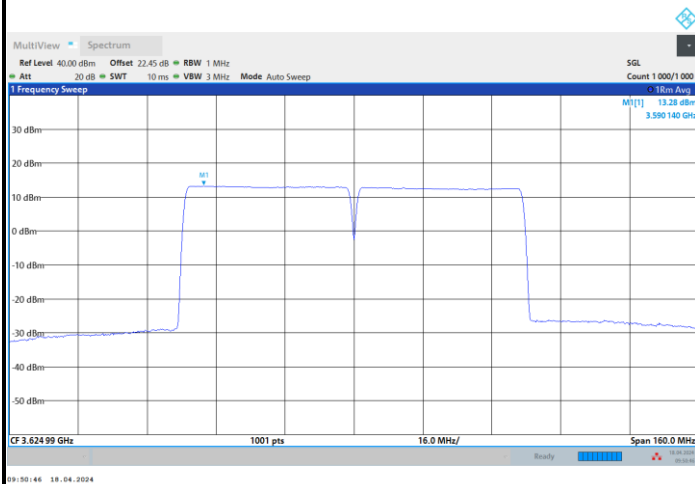
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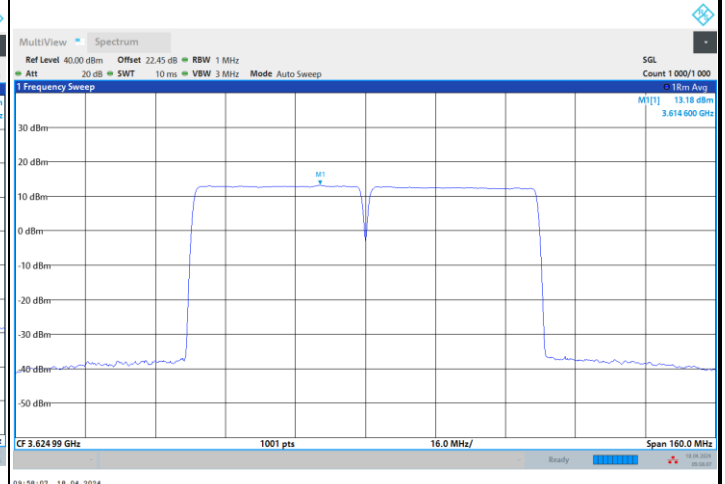


FR1 n48 / 40MHz+40MHz / Middle Channel / PSD

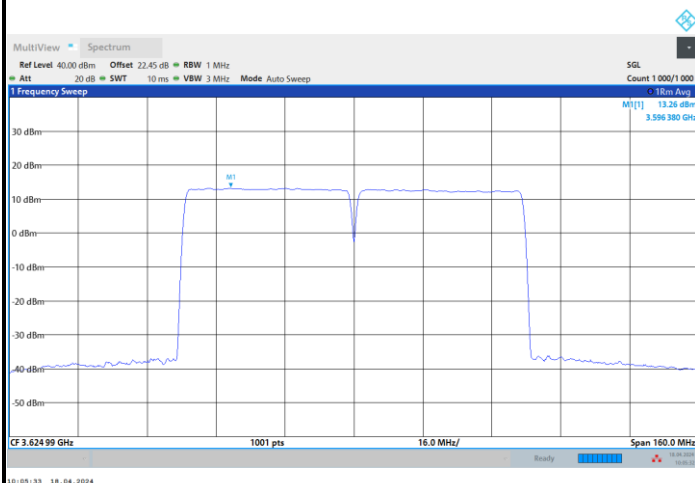
QPSK



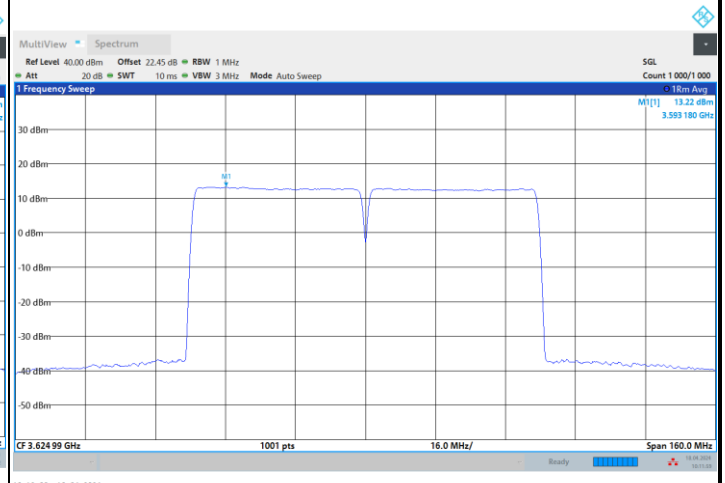
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64QAM



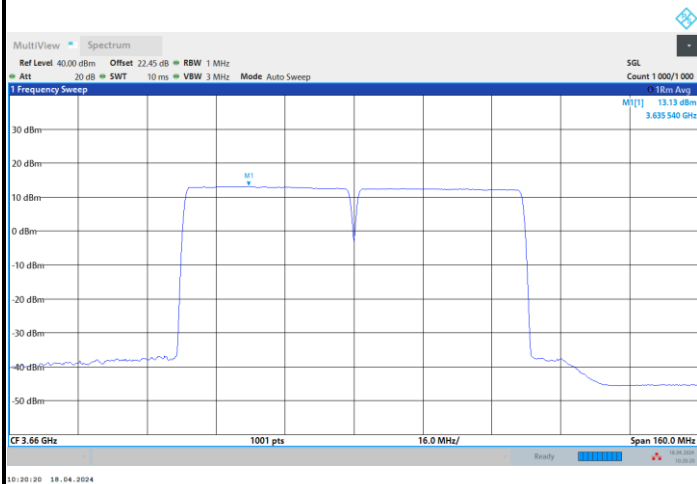
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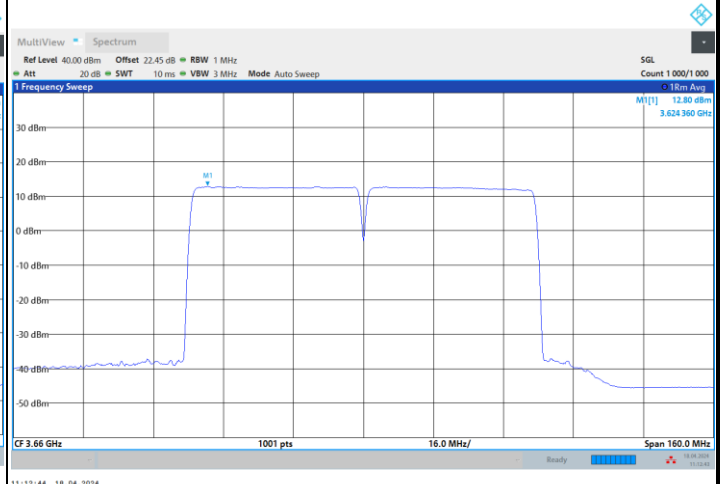


FR1 n48 / 40MHz+40MHz / Highest Channel / PSD

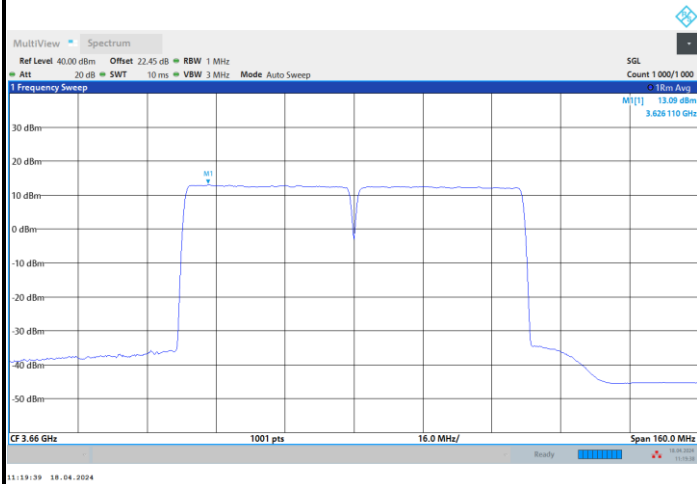
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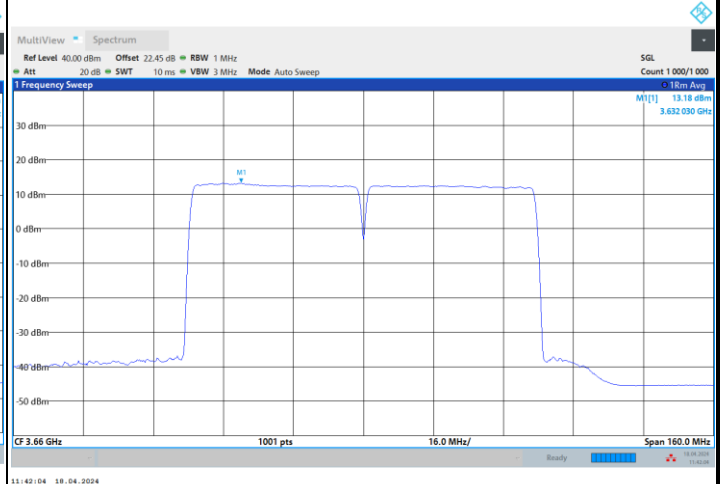
16QAM



64QAM



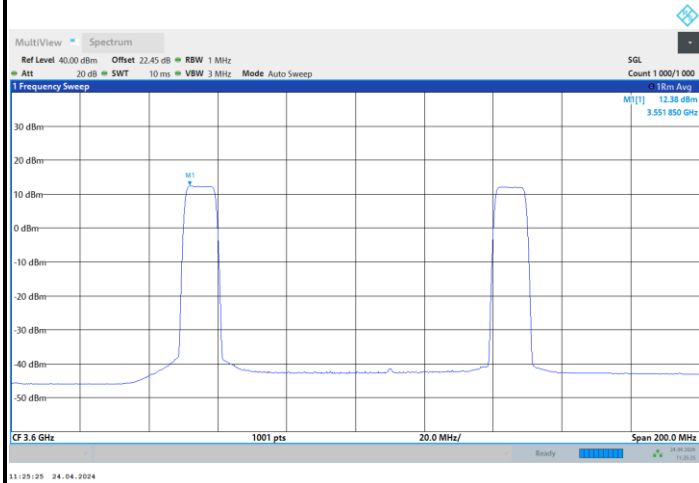
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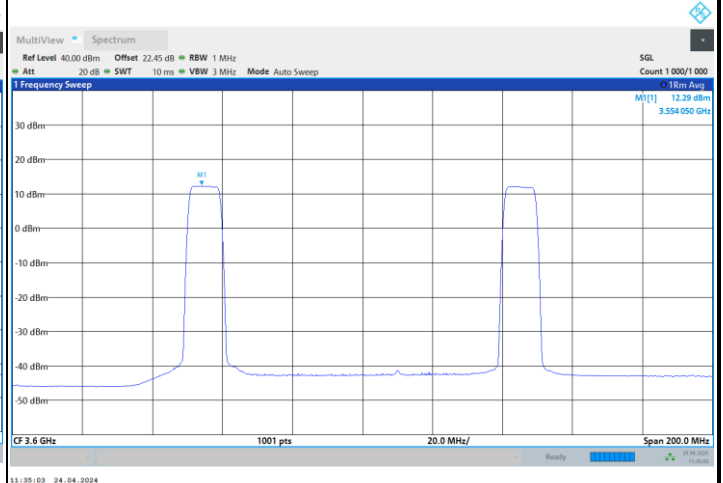


FR1 n48 / 10MHz+10MHz (Non Contiguous) / Lowest Channel / PSD

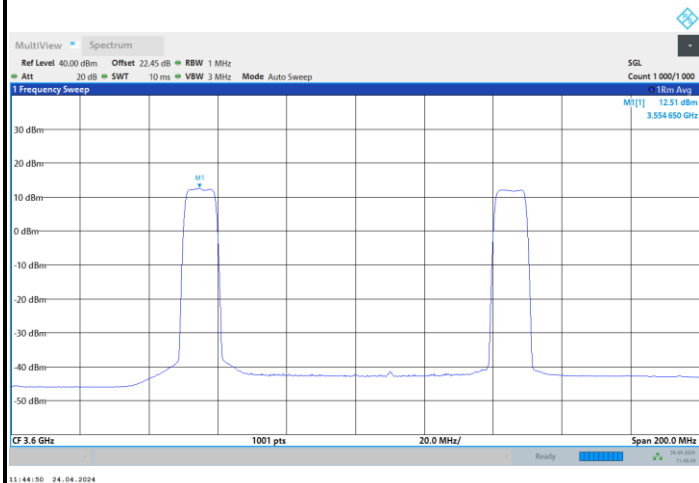
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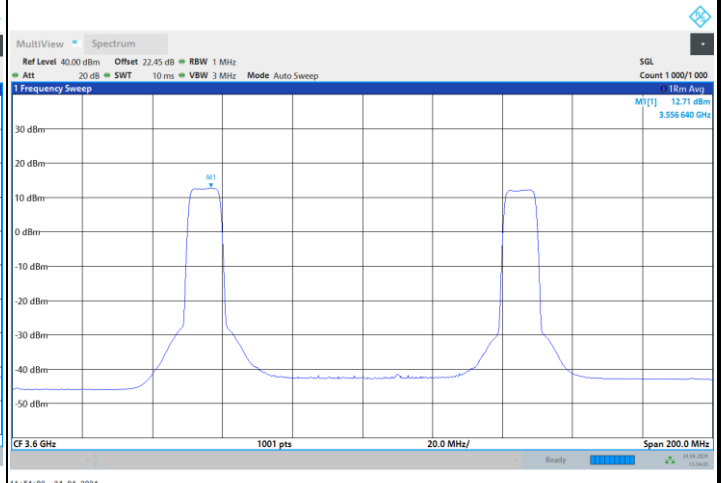
16QAM



64QAM



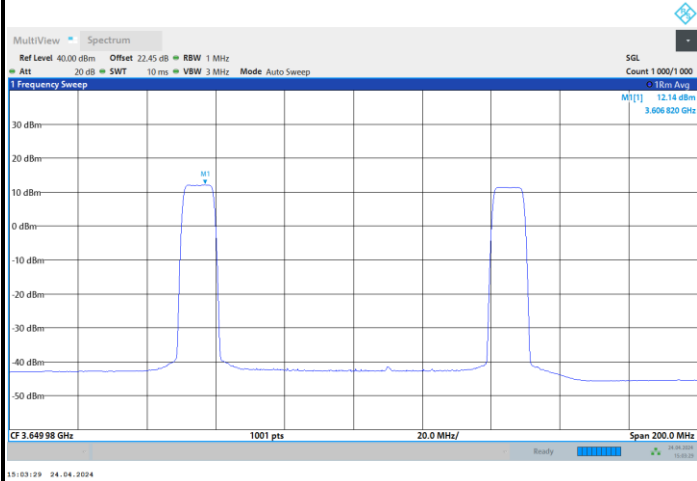
256QAM



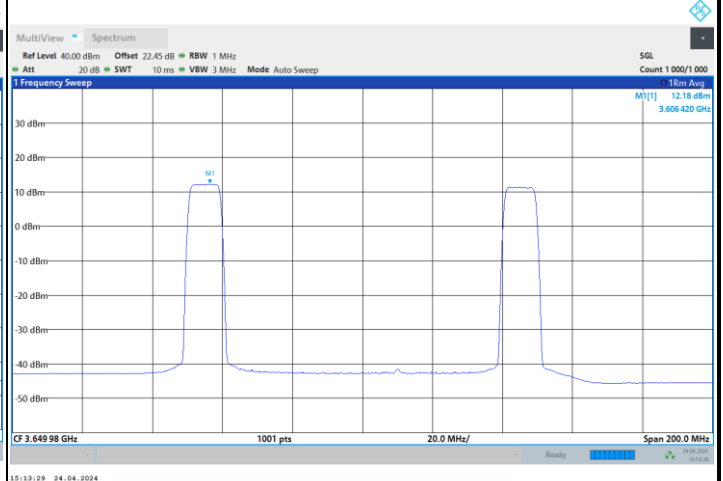


FR1 n48 / 10MHz+10MHz (Non Contiguous) / Highest Channel / PSD

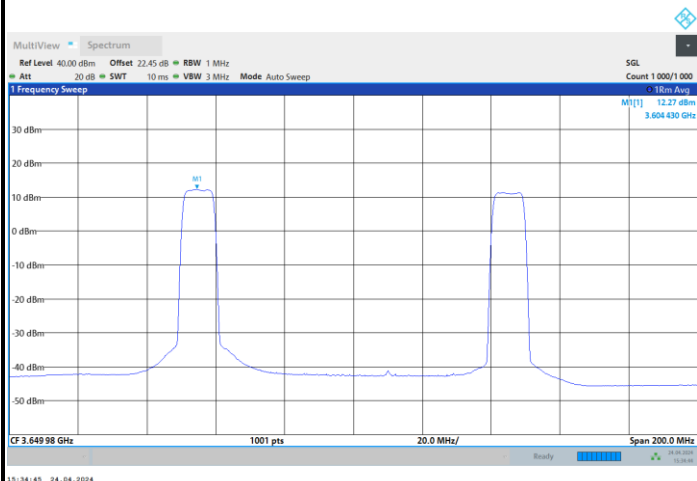
QPSK



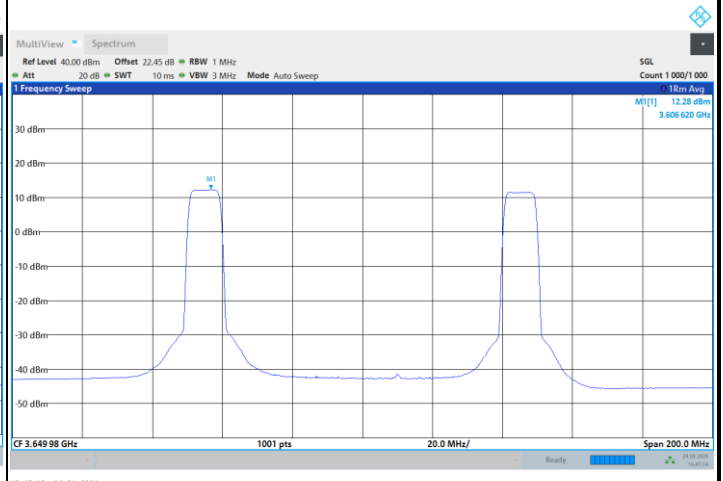
16QAM



64QAM



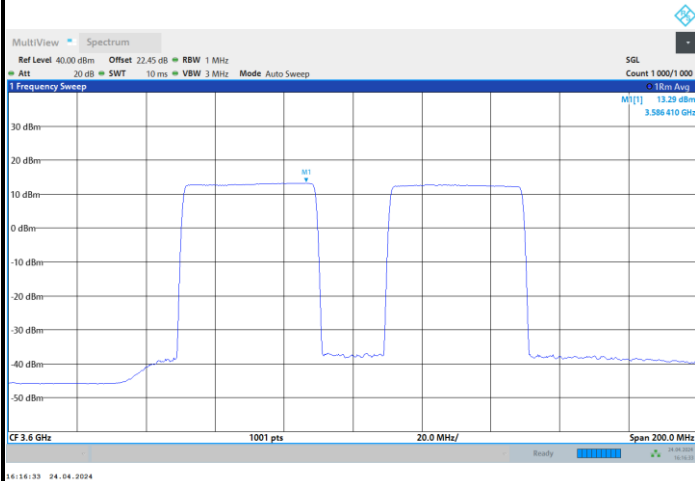
256QAM



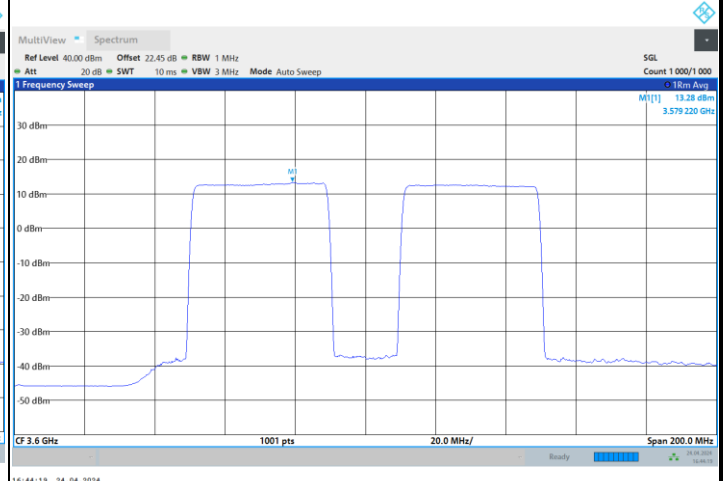


FR1 n48 / 40MHz+40MHz (Non Contiguous) / Lowest Channel / PSD

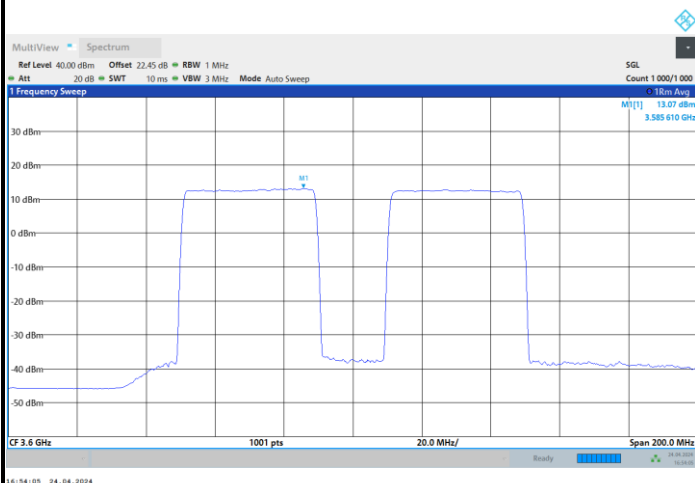
QPSK



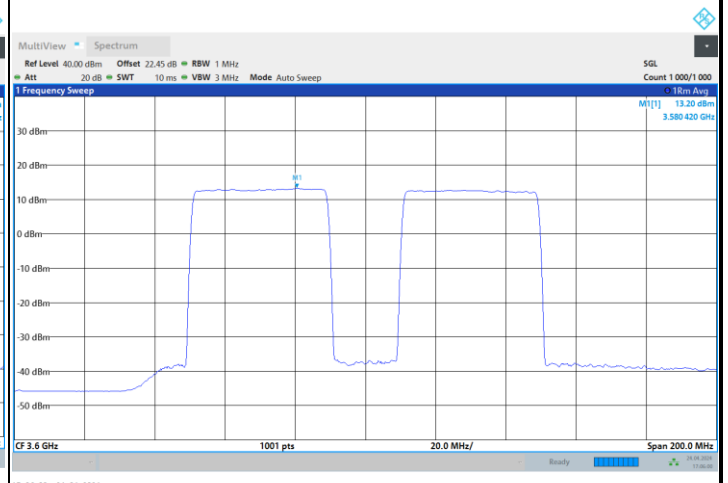
16QAM



64QAM



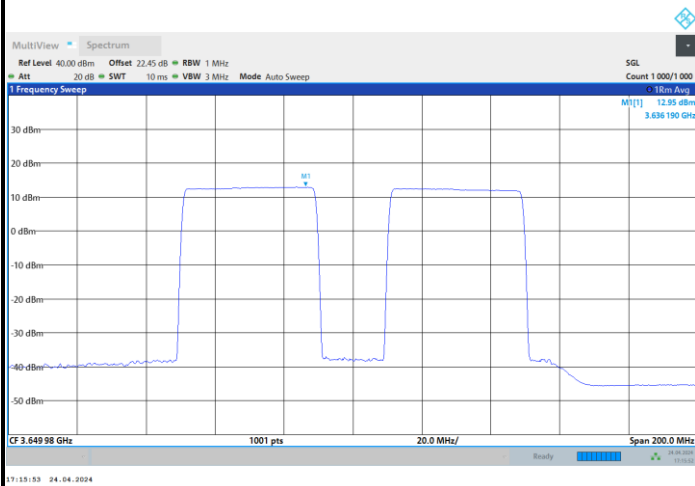
256QAM



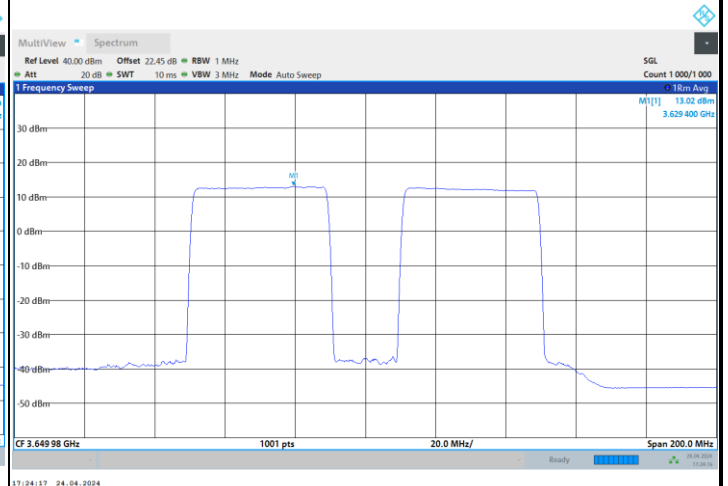


FR1 n48 / 40MHz+40MHz (Non Contiguous) / Highest Channel / PSD

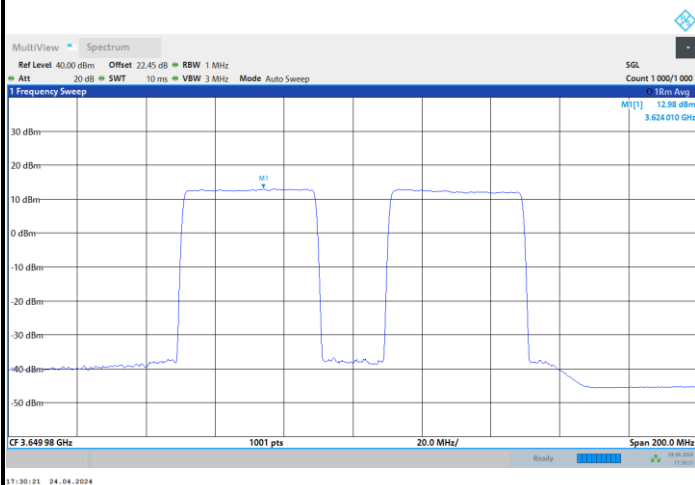
QPSK



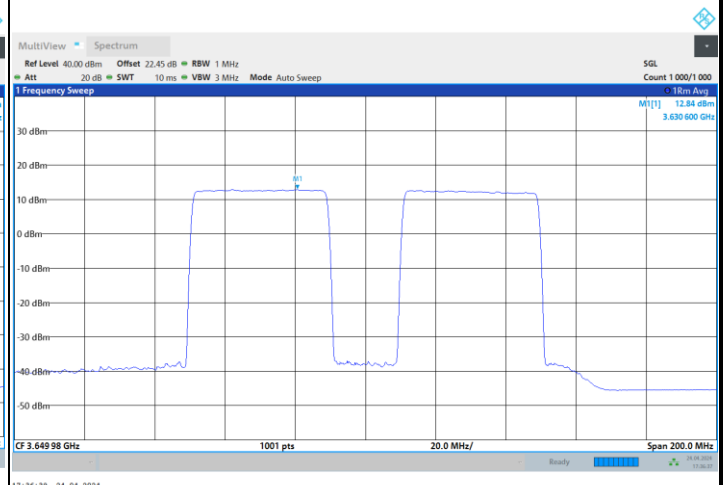
16QAM



64QAM



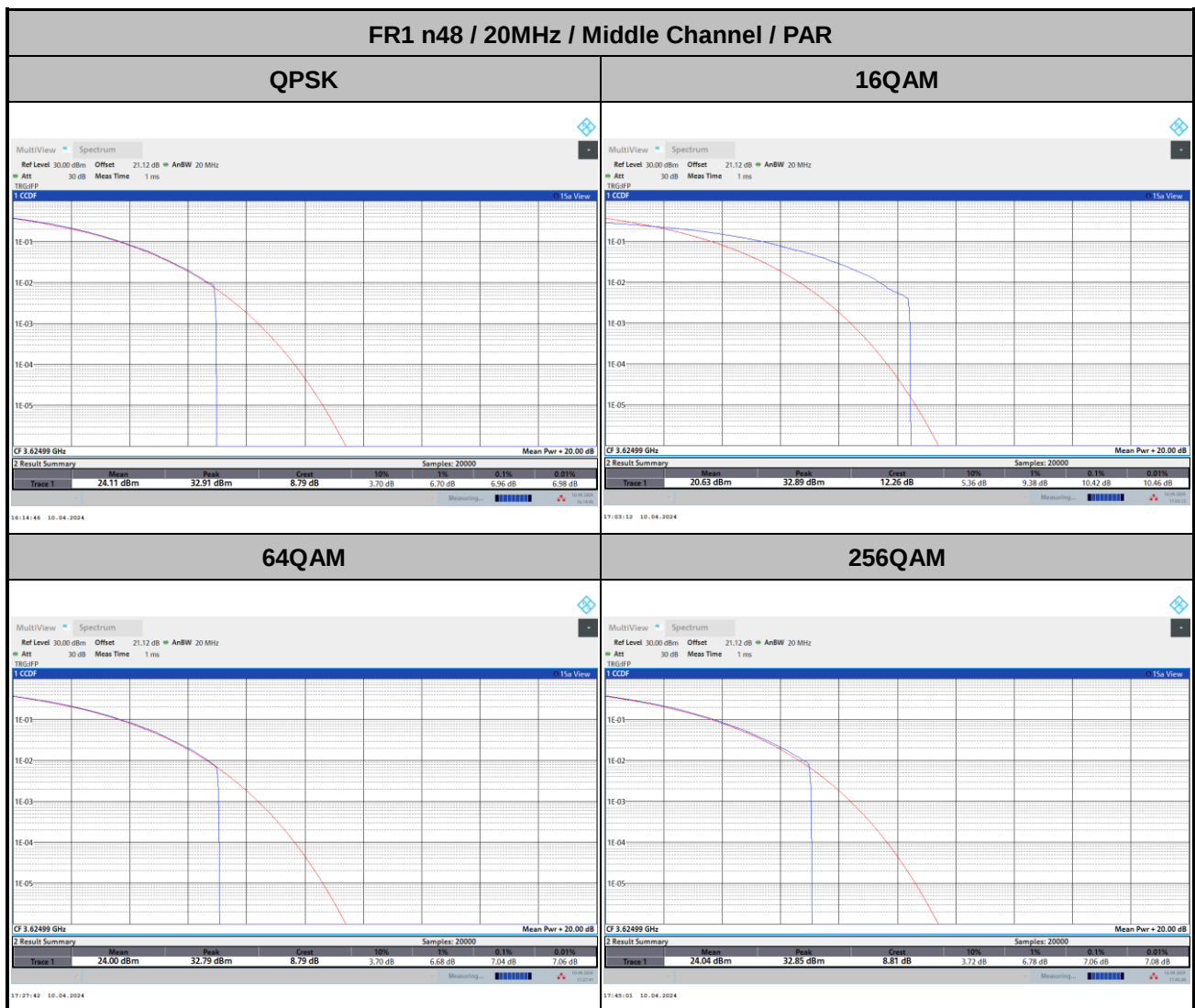
256QAM





Peak-to-Average Ratio

Mode	FR1 n48 / 20MHz / PAR (dB)				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	Result
Middle CH	6.96	10.42	7.04	7.06	PASS



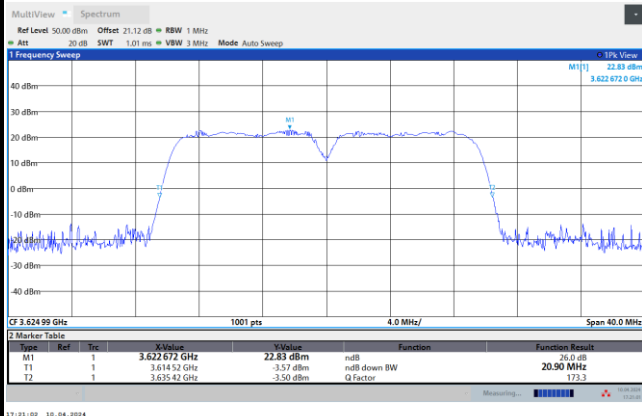
**26dB Bandwidth**

Mode	FR1 n48 : 26dB BW(MHz)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	20.90	21.06	30.69	30.75	50.55	50.55	30.87	30.69
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	20.94	21.06	30.75	30.69	50.75	50.75	30.87	30.75
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	40.84	40.92	60.78	60.66	50.65	50.65	60.66	60.54
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	40.76	40.92	60.66	60.66	50.65	50.65	60.54	60.66
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	80.56	80.56						
Mod.	64QAM	256QAM						
Middle CH	80.72	80.72						

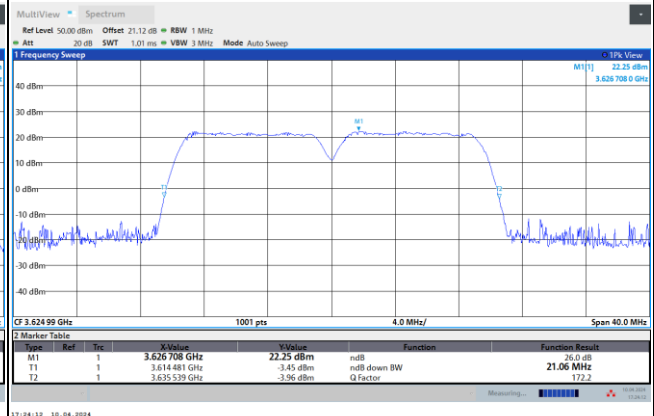


FR1 n48 / 10MHz+10MHz / Middle Channel / 26dB BW

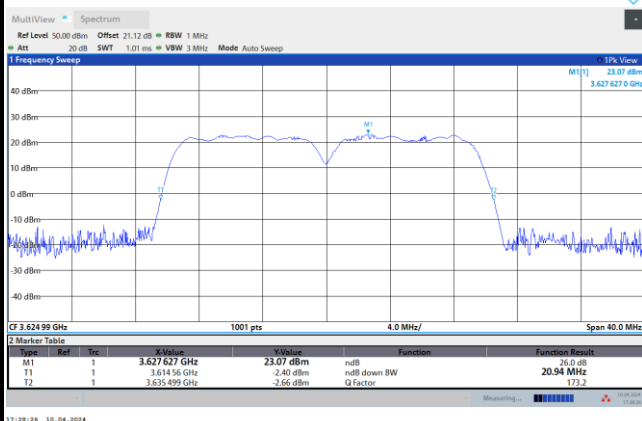
QPSK



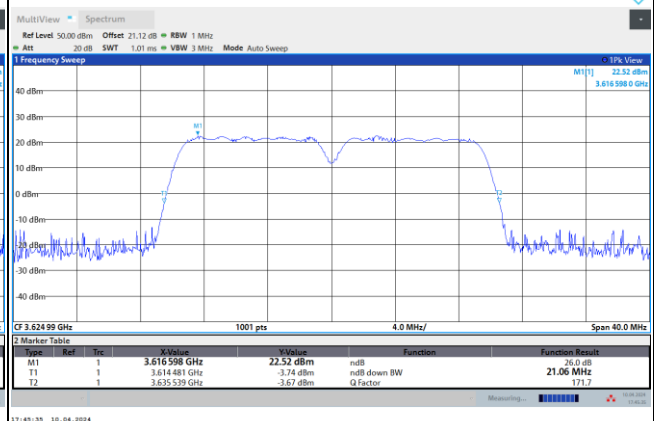
16QAM



64QAM



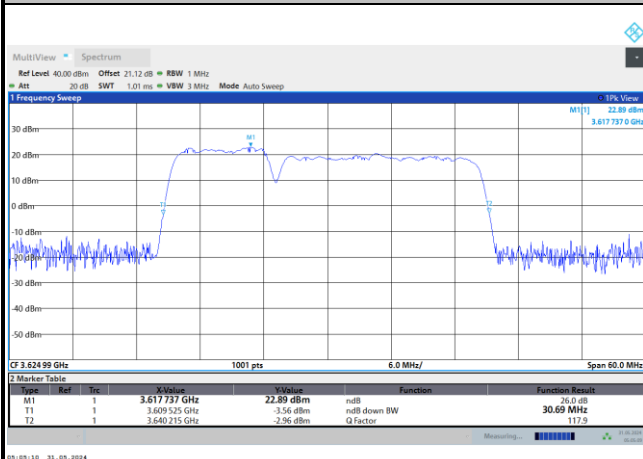
256QAM



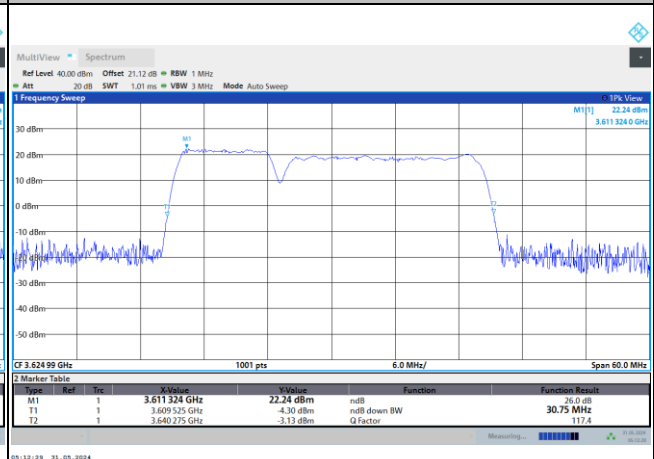


FR1 n48 / 10MHz+20MHz / Middle Channel / 26dB BW

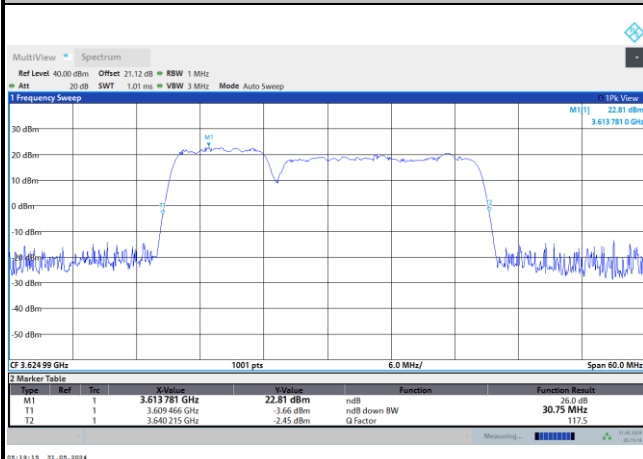
QPSK



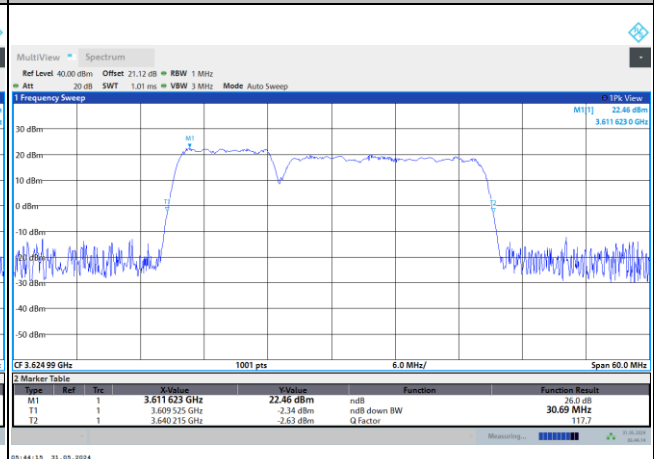
16QAM



64QAM



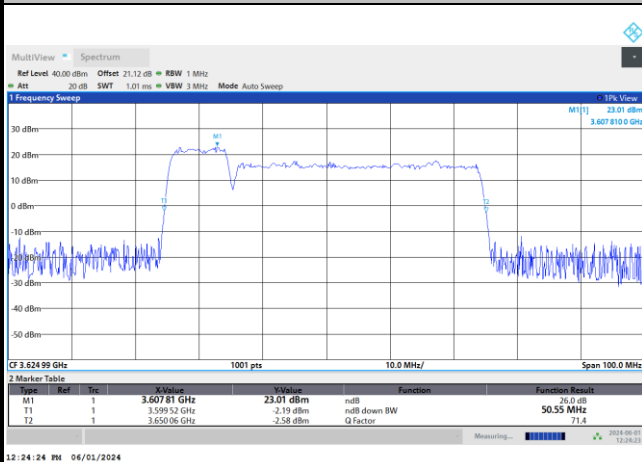
256QAM





FR1 n48 / 10MHz+40MHz / Middle Channel / 26dB BW

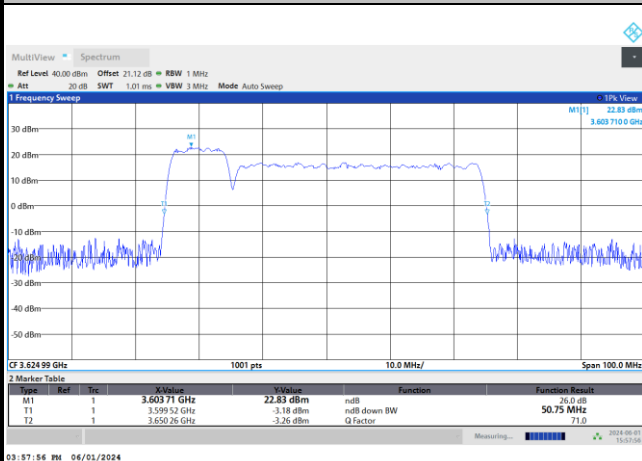
QPSK



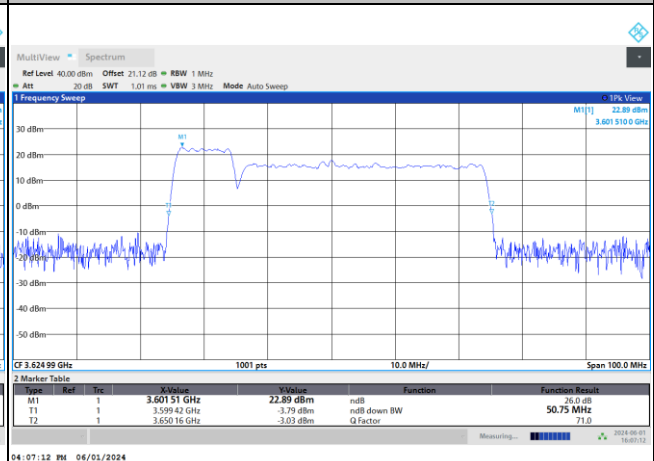
16QAM



64QAM



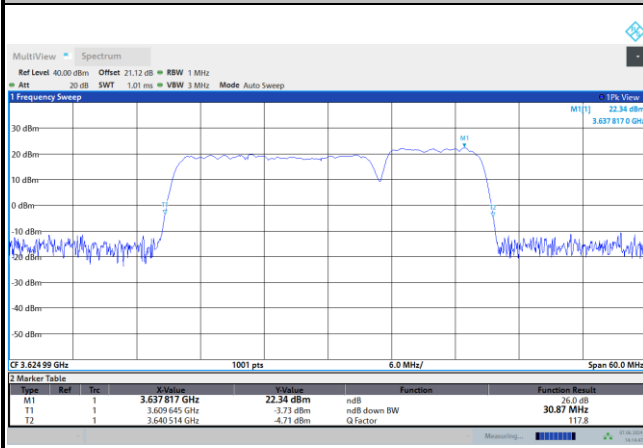
256QAM



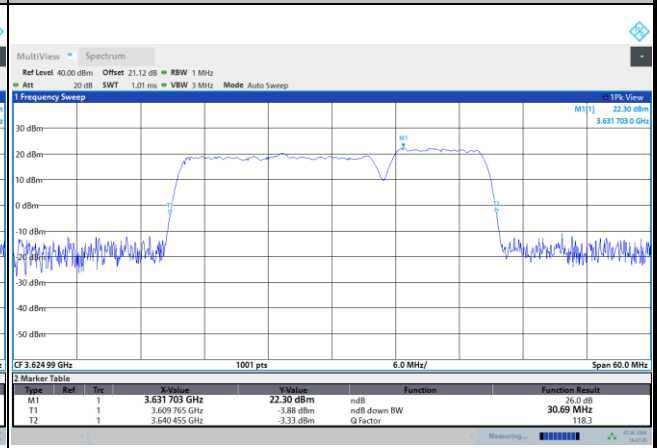


FR1 n48 / 20MHz+10MHz / Middle Channel / 26dB BW

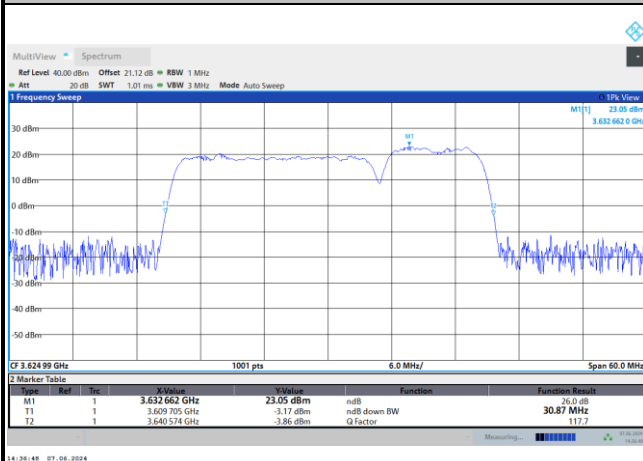
QPSK



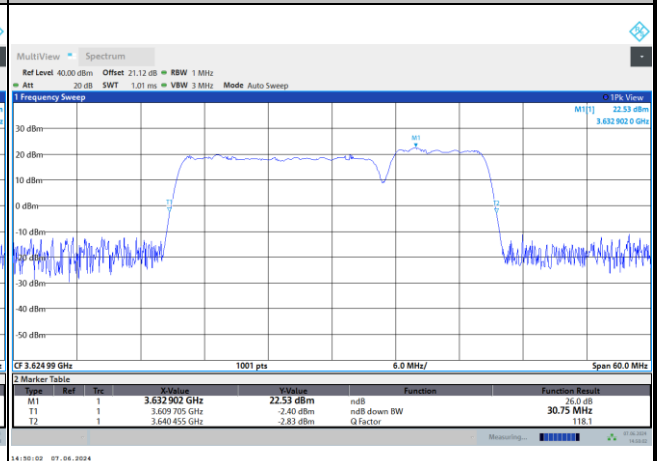
16QAM



64QAM



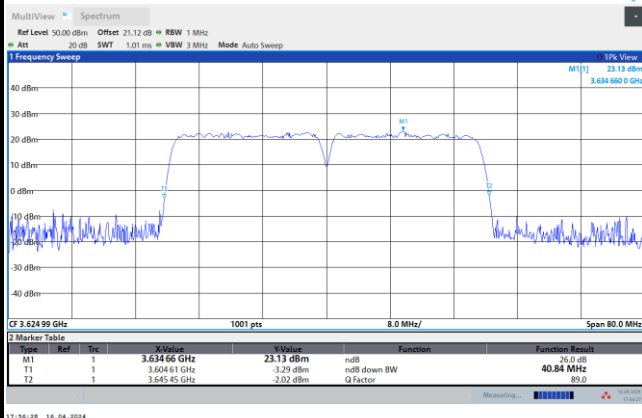
256QAM



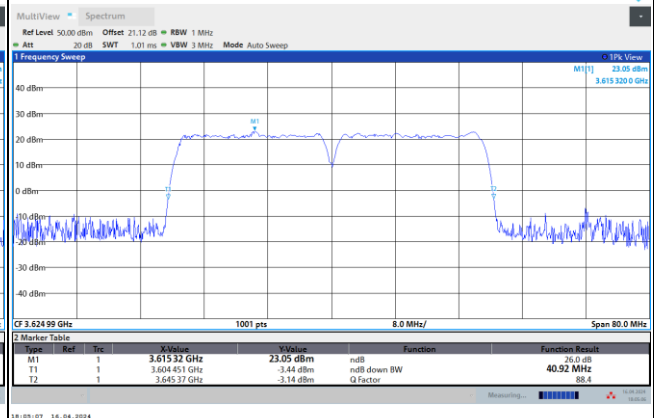


FR1 n48 / 20MHz+20MHz / Middle Channel / 26dB BW

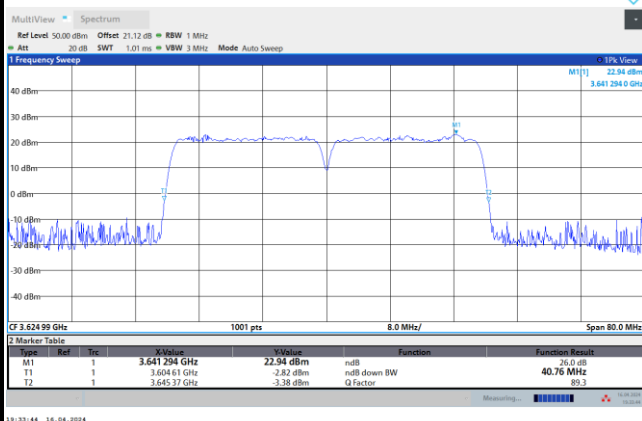
QPSK



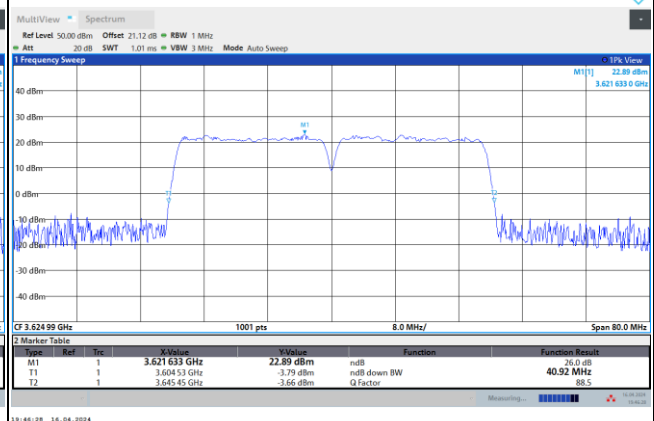
16QAM



64QAM



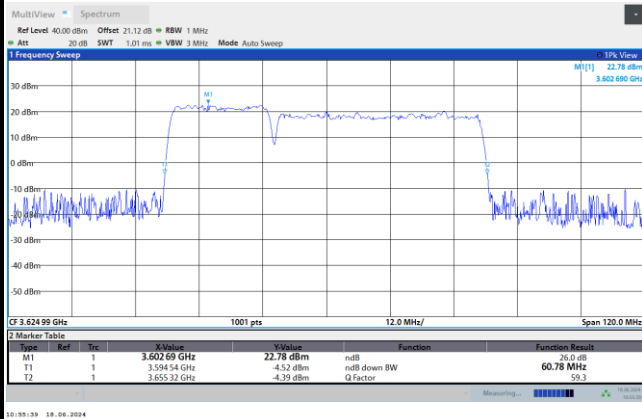
256QAM



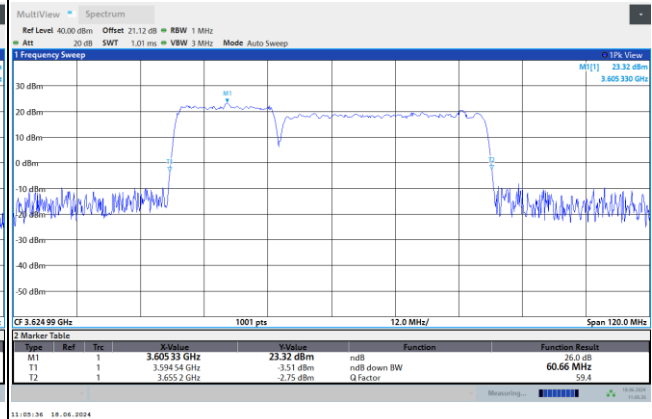


FR1 n48 / 20MHz+40MHz / Middle Channel / 26dB BW

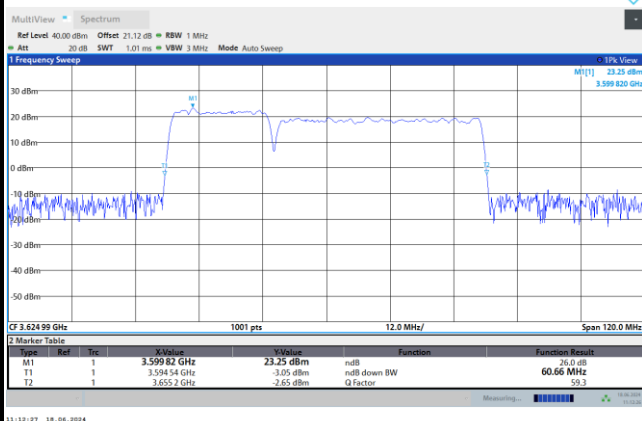
QPSK



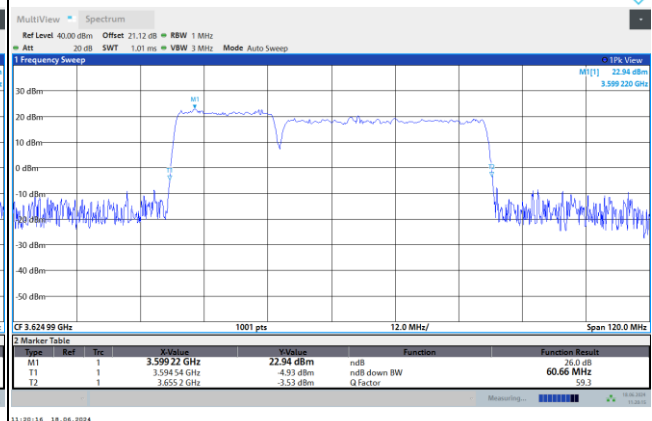
16QAM



64QAM



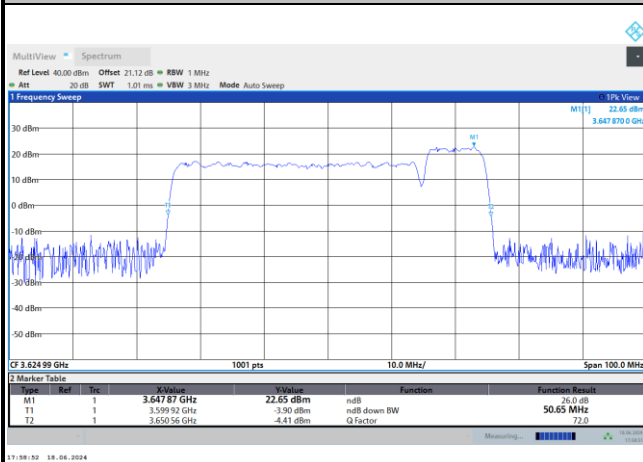
256QAM



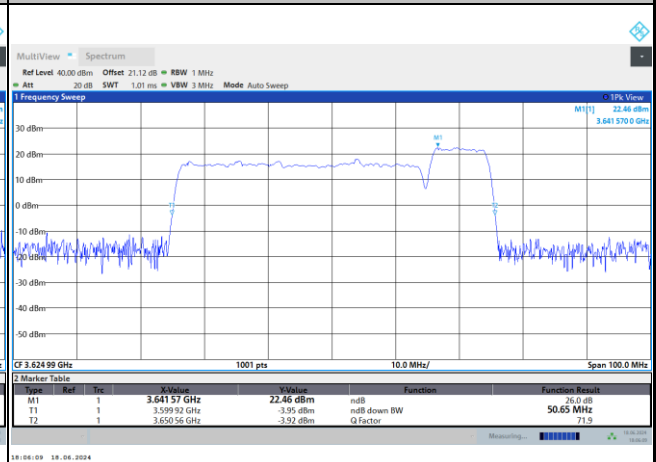


FR1 n48 / 40MHz+10MHz / Middle Channel / 26dB BW

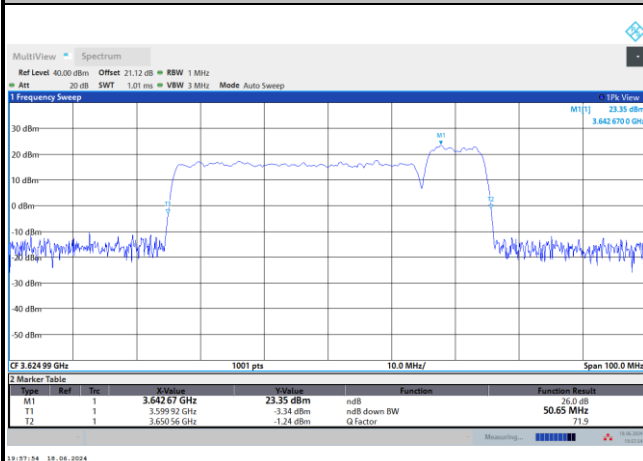
QPSK



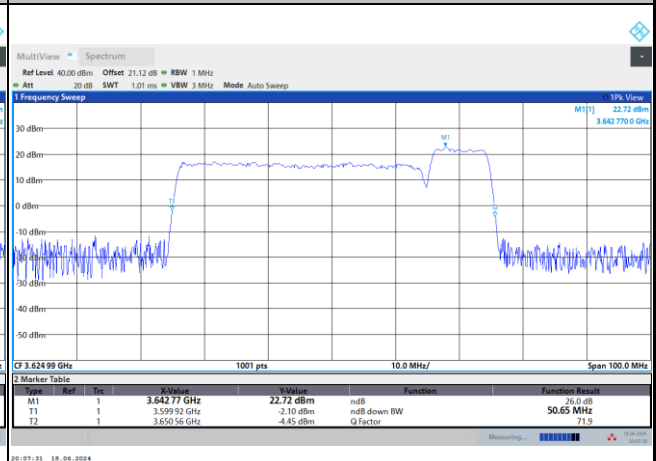
16QAM



64QAM



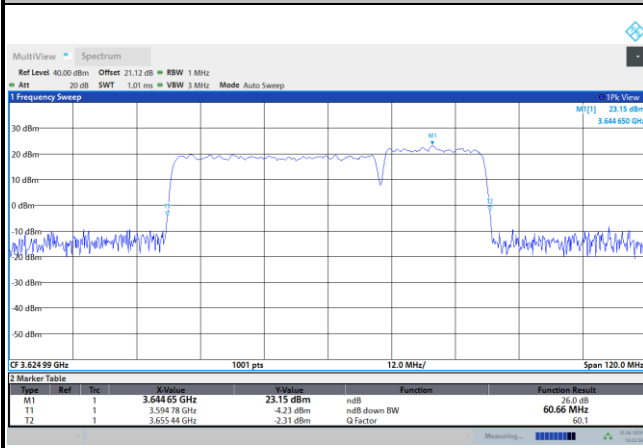
256QAM





FR1 n48 / 40MHz+20MHz / Middle Channel / 26dB BW

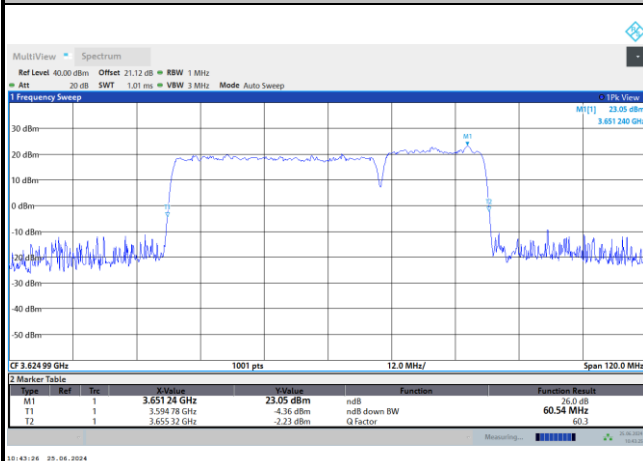
QPSK



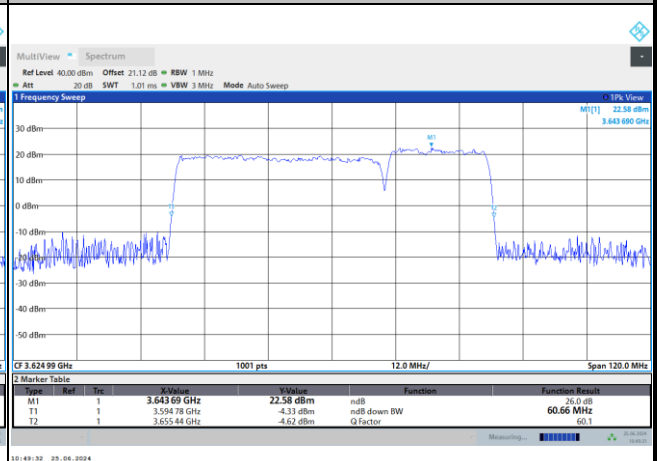
16QAM



64QAM



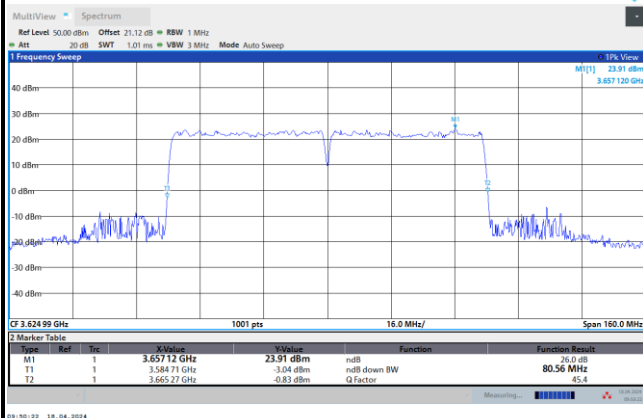
256QAM



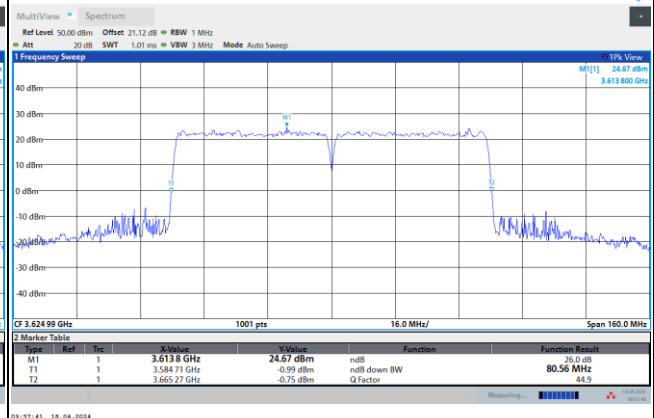


FR1 n48 / 40MHz+40MHz / Middle Channel / 26dB BW

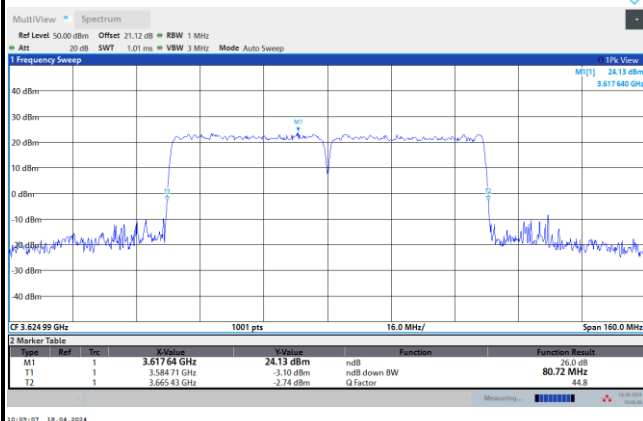
QPSK



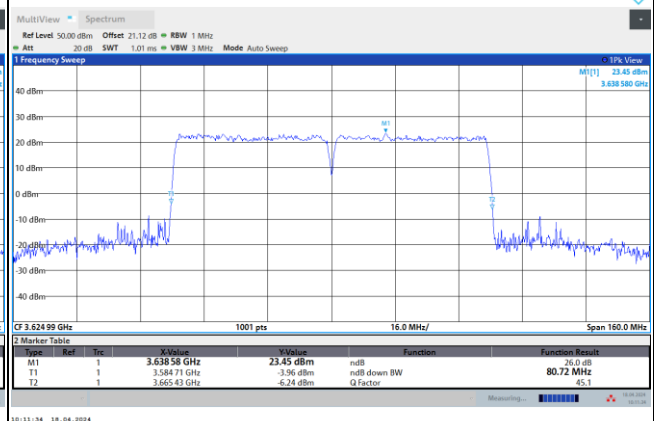
16QAM



64QAM



256QAM



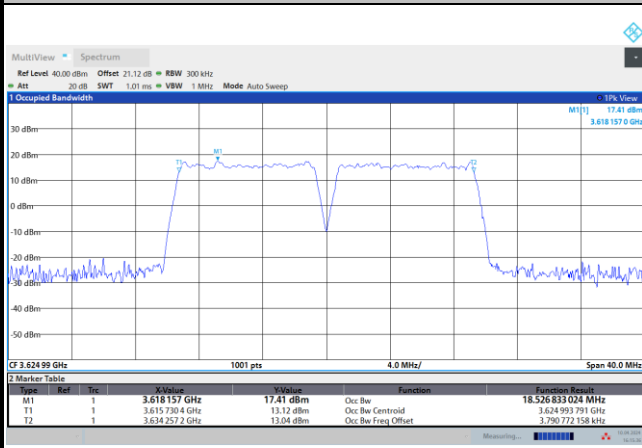
**Occupied Bandwidth**

Mode	FR1 n48 : 99%OBW (MHz)							
BW	10MHz+10MHz		10MHz+20MHz		10MHz+40MHz		20MHz+10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	18.52	18.55	28.60	28.56	48.30	48.21	28.62	28.58
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	18.55	18.49	28.62	28.59	48.44	48.29	28.63	28.69
BW	20MHz+20MHz		20MHz+40MHz		40MHz+10MHz		40MHz+20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	38.25	38.21	57.88	57.83	48.30	48.25	57.88	57.78
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	38.26	38.28	58.03	57.98	48.22	48.37	57.90	57.98
BW	40MHz+40MHz							
Mod.	QPSK	16QAM						
Middle CH	77.47	77.45						
Mod.	64QAM	256QAM						
Middle CH	77.72	77.63						



FR1 n48 / 10MHz+10MHz / Middle Channel / 99%OBW

QPSK



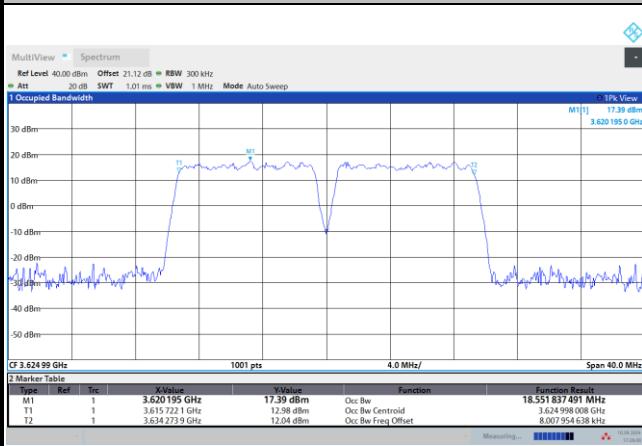
16:13:37 10.04.2024

16QAM



17:02:58 10.04.2024

64QAM



17:29:03 10.04.2024

256QAM

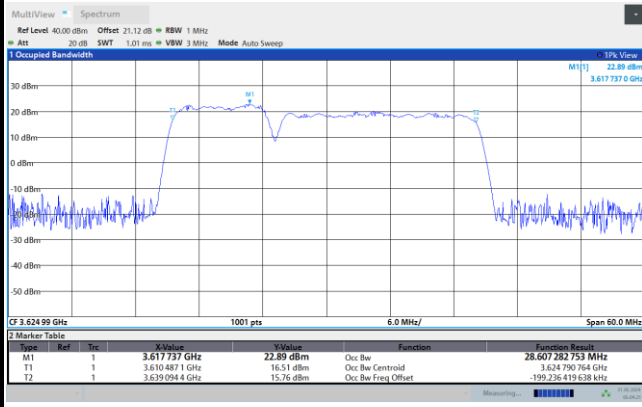


17:49:18 10.04.2024

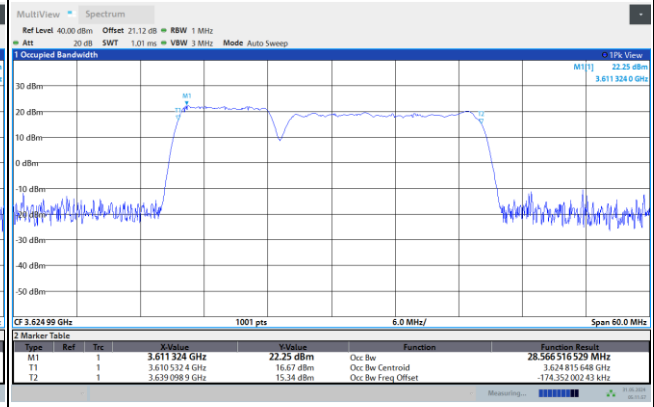


FR1 n48 / 10MHz+20MHz / Middle Channel / 99%OBW

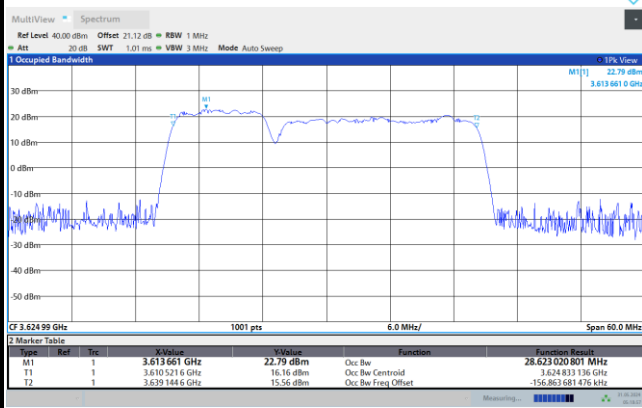
QPSK



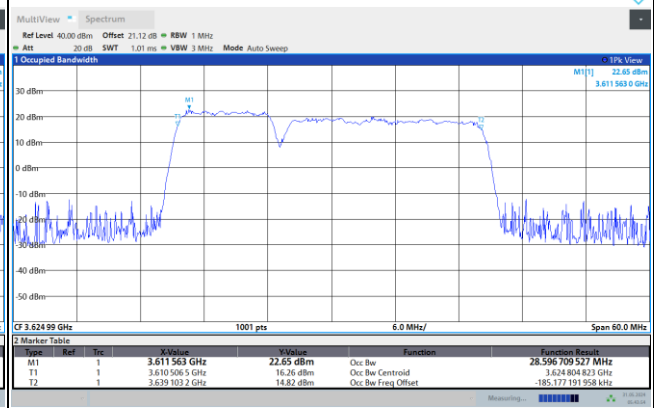
16QAM



64QAM



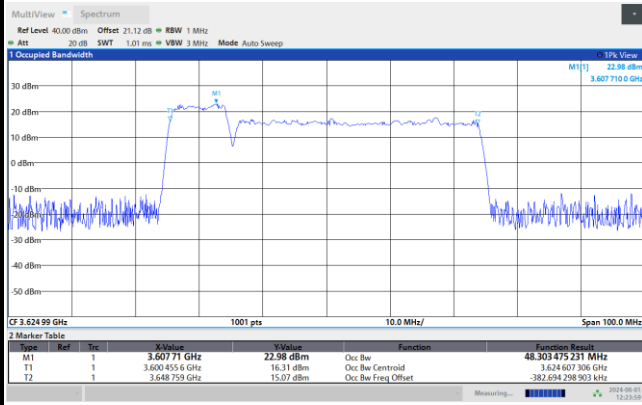
256QAM





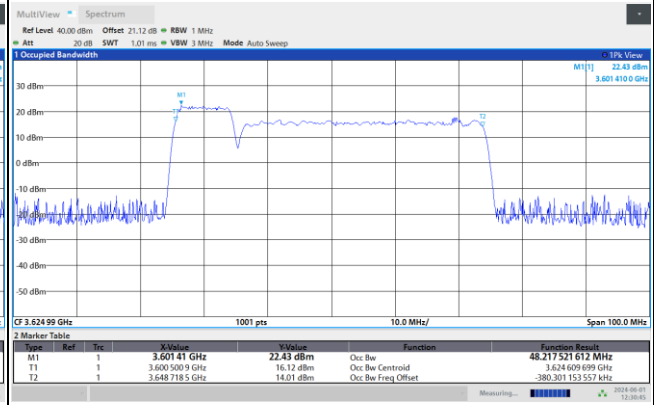
FR1 n48 / 10MHz+40MHz / Middle Channel / 99%OBW

QPSK



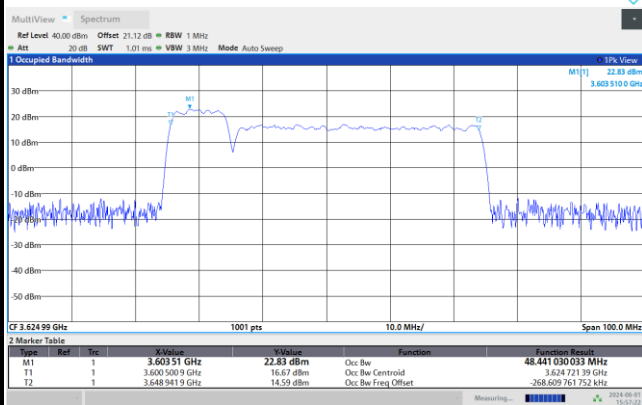
12:23:59 PM 06/01/2024

16QAM



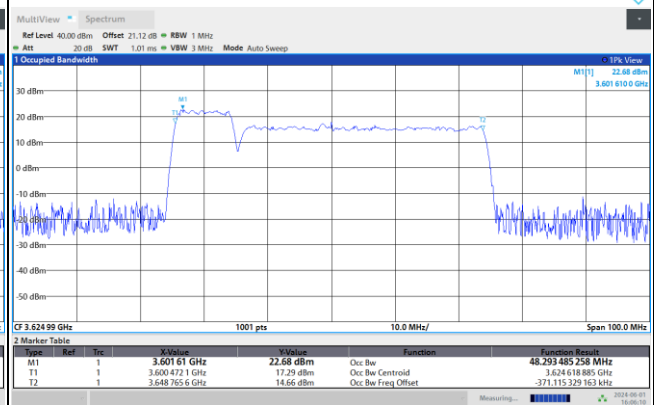
12:30:45 PM 06/01/2024

64QAM



03:57:22 PM 06/01/2024

256QAM

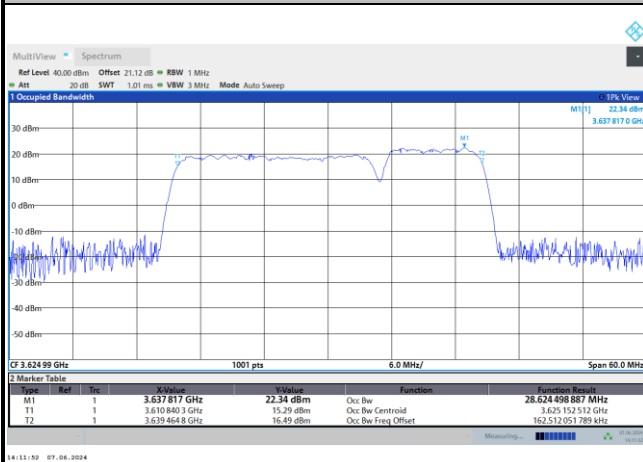


04:06:11 PM 06/01/2024

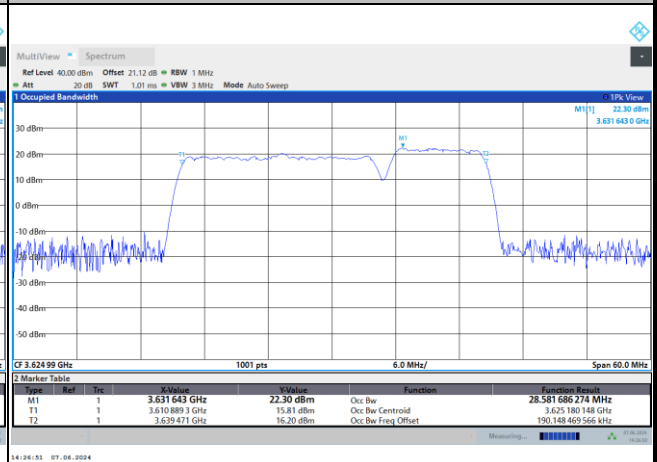


FR1 n48 / 20MHz+10MHz / Middle Channel / 99%OBW

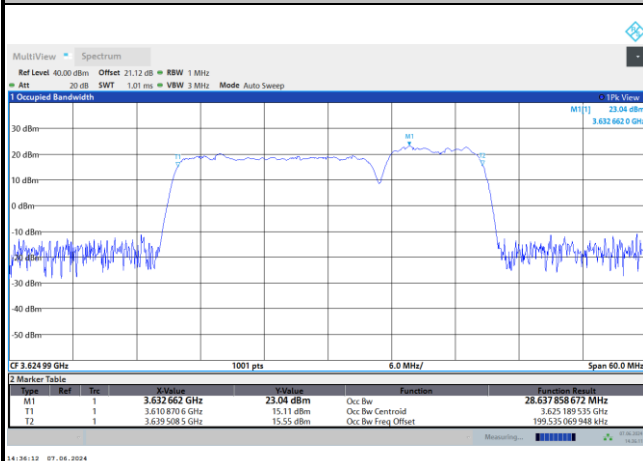
QPSK



16QAM



64QAM



256QAM

